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THE CHEMIST AND DRUGGIST

ESTAB. 1859

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No. 2367. JUNE 6, 1925. Vol. CII.

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Our purification process has consistently kept in advance of published methods, and no Ether on the market will be found to induce anæsthesia with greater freedom from post-operation nausea.
In keeping qualities it is unexcelled.

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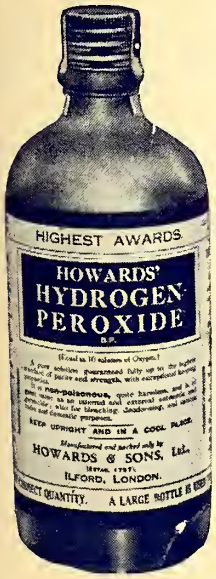

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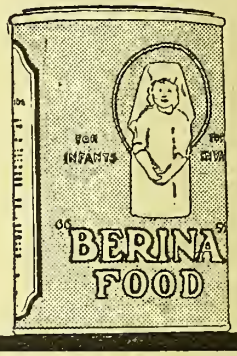

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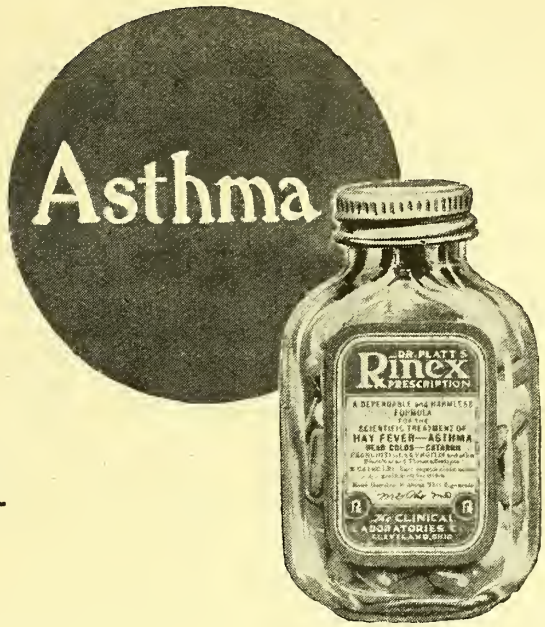

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With 5 gross assorted - (6 dozen bonus)
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'LUTON' STRAW HAT DYES

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Every woman knows—

they are easy to use

Through the medium of press advertisements the manufacturers of Luton Straw Hat Dyes are constantly telling the public of the merits of this home hat dye; how easy it is to use, how true and reliable are the colours.

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Velt THE NEW CLEANER **HAT & FABRIC CLEANER** A new line already going well. The most efficient cleaner of felt, velour, and straw hats on the market. Can be used also for any fabric.

If you do not already stock Whitaker products, send a postcard for further information, prices, patterns, etc. All cases and containers free. A special non-inflammable series is supplied for export.

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THOS. WAIDE & SONS Ltd.

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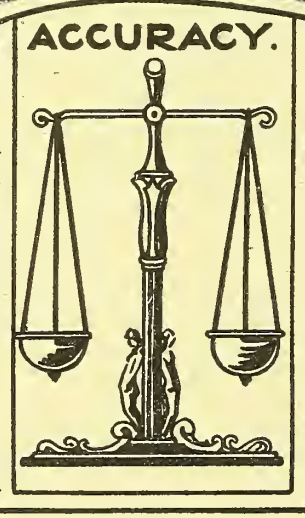
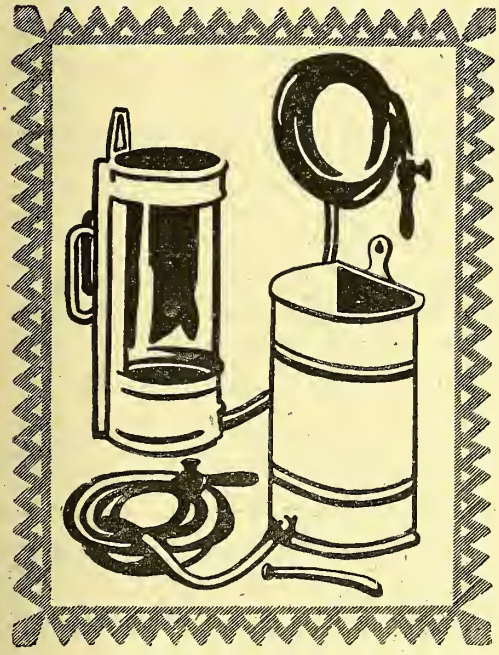


Maw's Page

Sell Maw's Douches.



Few surgical sundries call for so much care in selection as the douche. Few, if any, of the chemist's customers know anything of the qualities or defects which make for efficiency or inefficiency, and are forced to rely upon the man supplying them.

For many years Maw's have supplied douches worthy of the utmost confidence of the pharmacist and his customer. They are of thoroughly reliable quality and, while allowing a worth-while profit, can be sold at comparatively low prices.

Those quoted below are four of our best-known lines. The stout card cases in which they are packed make them additionally attractive, both pharmacist and customer being thus provided with a satisfactory means of storage. The cases are most unobtrusively labelled.

		Per dozen
MAW'S "CRYSTAL," in white enamelled tin frame	1 pint	**39/-**
" " " "	2 "	**40/-**
" " " "	3 "	**45/-**
" " " "	4 "	**50/-**
" in bronzed tin frame	2 "	**30/-**
" " "	3 "	**33/-**
" " "	4 "	**36/-**
SPARE GLASS LININGS, each, 1 pint, **1/6**; 2 pint, **1/9**; 3 pint, **2/-**; 4 pint, **2/3**.		
STEEL ENAMELLED, without handle	1 pint	**29/-**
" "	2 "	**30/-**
" "	3 "	**36/-**
" "	4 "	**45/-**
ENAMELLED WHITE, Ordinary quality. Maw's "Family"	1 pint	**32/3**
" " "	2 "	**37/3**
" " "	3 "	**39/6**
" " "	4 "	**42/-**
MAW'S "MERIDIAN"	2 pint	**21/-**
"	3 "	**24/-**
"	4 "	**27/-**

All the above fitted with 6 feet of ordinary red tubing, vulcanite stopcock, vaginal and rectal pipes.
Extra for Standard red tubing for any of above, **6/-** per doz.
Extra for Best red tubing for any of above. **10/6** per doz.

S. Maw, Son & Sons, Ltd.,
Aldersgate St., London,
and Barnet.

TRADE MARK

WE WELCOME YOUR ENQUIRIES

FOR

EFFERVESCING SALINE (granular or fine powder) in bulk or packed in decorated tins, and bottles with various artistic wrappers.

CITRATE OF MAGNESIA Bulk, or packed in Kali bottles. Choice of various labels.

SEIDLITZ POWDERS Guaranteed hand weighed, and made from Howard's Seidlitz only.

PRO-SPA-QUA (EFFERVESCING) **CARLSBAD POWDER**

Contains no sugar. The speciality to push for gout, rheumatism, etc. Bold packing.

Send for New Illustrated Catalogue.

ROBERT BLACKIE

(Sole Manufacturer and Proprietor of the World-famed "SPUN" OINTMENTS),

SHEN WORKS, TOWER BRIDGE ROAD, LONDON, S.E. 1

'Phone: HOP 2415. Telegrams: "USHENSPUNA," LONDON.

A STRAIGHT 6D. & 1/- LINE

that no one is allowed to cut.

The Ink is right and the terms are right. The sale increases every year, proving its popularity with the Trade and Public.

JOHN BOND'S "CRYSTAL PALACE" MARKING INK.

THE ONLY WELL-KNOWN MARKING INK RIGIDLY PROTECTED AT FACE VALUE.

6d. size 4/3 per doz. 1/- size 8/- per doz.

Showing Retailers **30%** on turnover on the **6d.** size, and **33⅓%** on the **1/-** size.

WHOLESALE TERMS:

MINIMUM—**1** gross **6d.**, **44/-**, or mixed order to same value. **1** gross **1/- 80/-** subject to customary discount on quantities.

CARRIAGE PAID on parcels of **£2 4** and upwards.

TERMS: *One Month Current Account.*

When ordering, please specify if HEAT OR NON-HEAT is required.

20 YEARS ON THE P.A.T.A.

YOUR RECOMMENDATION SOLICITED.

Manufactory: 75, Southgate Rd., London, N.1

Brighter Windows Brighter Business

IS CERTAIN WHEN USING KING'S

WINDOW DRESSING PAPERS

From 1/3 per roll upwards.

Make sure you are Moving with the Times.

Send without delay for King's Sample Set No. 742 of Up-to-Date Patterns.

NEW DESIGNS

for the Spring sent post free and free of charge for inspection upon application.

J. C. KING LTD

42-60 GOSWELL RD., LONDON, E.C.1.

I K

'SUSAN' Points to I.K. as the best Insecticide

These are her main Points :

Everybody asks for it but only Chemists stock it.
It gives a profit of 71% on cost on £5 orders.
It brings repeats because it does its work.
It overhauls all that crawls overnight—and

IT KILLS TO STAY KILLED.

P.A.T.A. PRICES.

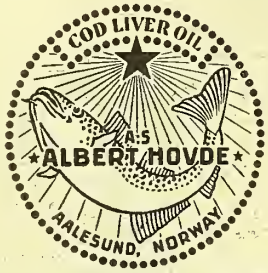
RETAIL -	4d.	8d.	1/3	4/6
WHOLESALE	2/8	5/4	10/-	36/-

Bellows filled, 7/- dozen. Retail 1/- each.
£5 orders 5% discount.

Evans

EVANS SONS LESCHER & WEBB, LTD.
LIVERPOOL New York LONDON

NORWEGIAN COD LIVER OIL



FINEST STEAM REFINED, NON-FREEZING LOFOTEN, MEDICINAL.

Stocks in London, Liverpool, Hull, Glasgow.

ALBERT HOVDE, Ltd., Aalesund, Norway.

Established 1882. Manufacturers and Exporters. Factories in Lofoten.

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BOOK YOUR REQUIREMENTS OF

MALT and OIL

FOR NEXT SEASON WITH THE ACTUAL MANUFACTURERS,

THE BRITISH DIAMALT COMPANY - - SAWBRIDGEWORTH, HERTS.

PURE ORANGE WINE

A. MILLAR & CO., LTD., DUBLIN

(VINUM AURANTII B.P.) Prepared in strict accordance with the Formula of the British Pharmacopœia. (Wholesale only)

Samples from Head Office, Thomas Street, DUBLIN, or London Office, 74 Great Tower Street, LONDON, E.C.3.

Dr HALE'S

VIN-SANGUIS

WINE FOR THE BLOOD

Fountain of Health

If you have a Wine License we will pay the fee.

If not, get one, we will pay.

Send for any further particulars

You agree to display "Vin Sanguis" always.

You give us an agreed initial order.

You always keep stock

PROPRIETORS OF DR HALE'S VIN-SANGUIS

Transcontinental Agencies Ld

14, Southampton St., London, W.C.2

MADE WITH OLD DOURO PORT

CAMWAL

TABLE WATERS - - in Syphons & Bottles

LEMONADE POWDER } in Packets, Cartons, and Canisters.

AQUAPERIA WATER or SALTS (P.A.T.A.) } *WINDOW DISPLAYS.*

LEMON SQUASH - - in 26 oz. Bottles.

(with plain or Soda water forms a delicious drink).

HOME and EXPORT PRICES and TERMS on application.

CAMWAL, Ltd. LONDON, MANCHESTER, BRISTOL, BIRMINGHAM, HARROGATE.

City Office: 52 Queen Victoria Street, LONDON, E.C.4

'Phone: City 4497.

A GOOD PROFIT ENSURED.

RASPBERRY VINEGAR.

THE PUREST MADE.

In Fancy White Glass Bottles, 3 oz., 10 oz. & 20 oz. Imperial Measure.

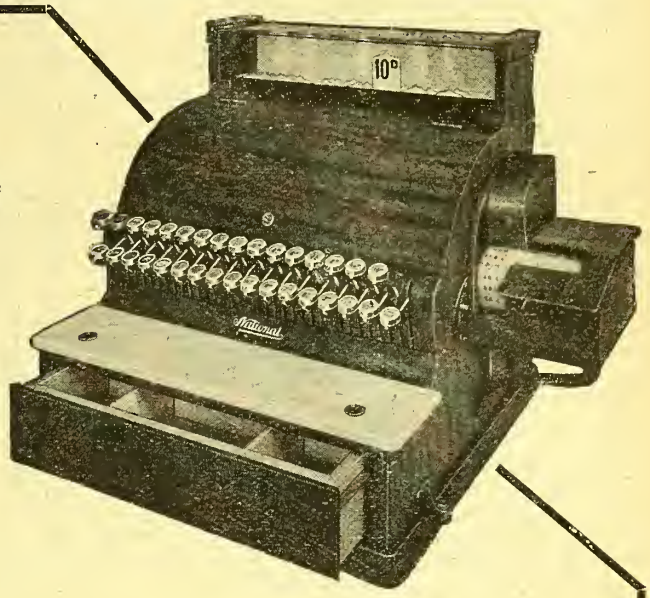
Write for prices, etc., to:

GRIMBLE & CO., LTD.

CUMBERLAND MARKET - - - N.W.1.

This Small

NATIONAL CASH REGISTER



has an Autographic attachment and is a very popular model.

Chemists will appreciate these Important Advantages.

The amount of each transaction is printed on an exposed strip of paper at the side of the register.

These figures are clear and unalterable. Against them in the wide space provided, may be written, if desired, customer's name, kind of article sold, for dissection purposes, and against money paid out, the reason for the disbursement.

All Money received is Mechanically Added.

The Register also adds, on a private total, all amounts as they are recorded. This gives an indisputable check on every penny taken and shows exactly what money should be in the cash drawer.

It also saves the tiresome adding of long lists of written figures, compelled by ordinary tills.

The register shows the total number of "Credit," "Received on A/c," and "Paid Out" transactions.

This economical register provides an informative, protective and most excellent system. Thousands of Retailers use it.

Post a Card or this Coupon To-day for further details.

The National Cash Register Co., Ltd.,
225 Tottenham Court Road, London, W.1.
Branch Offices in all Large Towns.

Any "National" may be purchased on easy terms.

The N.C.R. Co., Ltd., 225 Tottenham Ct. Rd., London, W.1.

Please send without any obligation, further details of your Autographic Register.

Name .....

Address .....

C. & D .....

Our Prices will interest you!

Before buying in bulk or specially packed.

FRUIT SYRUPS
LEMONADE POWDER
B.P. SYRUPS
ESSENTIAL OILS
SOLUBLE ESSENCES
FINE CHEMICALS & DRUGS

Ask us for Samples and Quotations

You will be pleased.

ESTABLISHED 1890.

L. SAPER *Manufacturing :: Chemist ::*

16/18 Brushfield Street, Bishopsgate

'PHONE: 1832 BISHOPSGATE (Two lines). **LONDON, E.C.2** 'GRAMS: "UNADVISED, LONDON."

A.S.PRICE & Co LTD

Manufacturing Chemists

Blackheath. Birmingham

Another "Aspanco" Seller

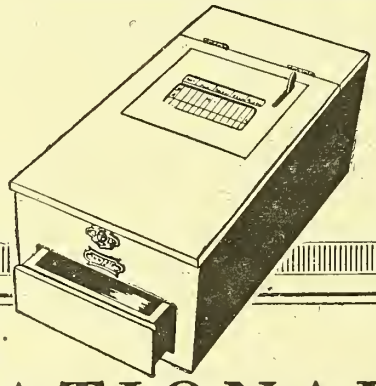
HEALTH SALT

Packed in 4 oz. beautifully enamelled tins.

PER DOZEN - - 4/9

1 GROSS LOTS 4/6

1 GROSS CARRIAGE PAID



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Price **75/-** Net.

Size: $8\frac{3}{4}''$ high, 10" wide, 19" long. Writing space, $4\frac{3}{4}''$ wide. Record roll ruled for four classes of transactions. Made in Solid Oak and fully guaranteed.

Write for further details:

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Dr. Allinson's Food Preparations

FOR ALL AGES AND CONDITIONS OF HEALTH AT FIRM AND PROTECTED PRICES.

Food for Babies, Prepared Barley, N.F. Cocoa, Biscuits, Wholemeal, &c.

See Trade Mark "T. R. Allinson" on all our goods—None Genuine Without.

SPECIAL NOTICE

We issue a list of WHOLESALE HOUSES who keep above in stock, if for any reason you have difficulty in obtaining supplies, please send postcard direct to us and a list will be sent to you by return.

NATURAL FOOD COMPANY Ltd.,
Cambridge Road, Bethnal Green, London, E.

All advertising matter—Booklets, Window Displays, Showcards, etc., free on application.

N.B—Our goods are to be sold only at prices stated upon the Price List we issue to the trade, and we are pleased to exchange any article which may be out of condition.

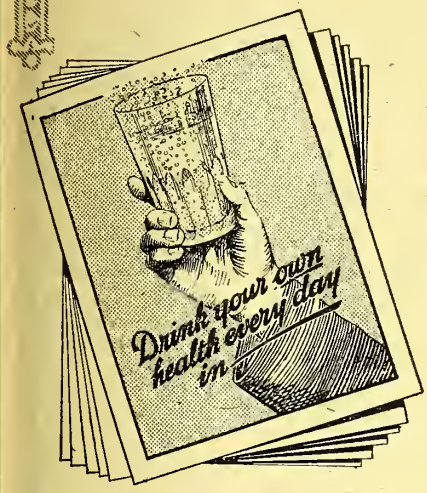
NURSE HARVEY'S MIXTURE

A safe, simple and reliable remedy for Children's Ailments is advertised so extensively in the daily and weekly Press as to bring mothers to the retailer without effort on his part.

The selling has been done before the mother reaches the chemist, and, having supplied her, it is only common sense to claim she will buy other family necessaries from him. Moreover, the continuous demand for it produces a quick turnover

For Direct Terms apply to—

OSCAR SCRUTON & CO., YORK



Offer of Free Leaflets

With MINERAL SPRING

REGD TRADE MARK

HEALTH GRANULES

YOUR "Mineral Spring" customers are really yours, so they are well worth having. "Mineral Spring" is the Chemists' Own Effervescible. Every effort you make on its behalf yields a good immediate return with the assurance of profitable repeat sales.

The leaflets (4 pp.) are attractively produced in two colours. They are being sent out to Chemists who ask for them, in the following proportions. With orders up to 6 dozen 1/- "Mineral Spring," 100 copies; over 6 dozen, 250 copies; over 1 gross, 250 copies per gross. (Each 2/- bottle counts as two 1/- bottles.) Your name and address is printed on quantities of 250 and upwards.

¶ Those Chemists who have already ordered "Mineral Spring" for this season may have a supply of leaflets on request.

Specialise in "Mineral Spring"

TRADE TERMS

1/- (P.A.T.A.) ... 8/- dozen
2/- (P.A.T.A.) ... 16/- dozen
1 gross, 7/9 doz. and 15/6 doz.

Kerfoot Quality is Chemists' Quality

THOMAS KERFOOT & CO. LTD.
BARDSLEY VALE, LANCASHIRE,
& Bardsley House, London, N.1
ESTABLISHED 1797.

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DODGE & OLCOTT CO., 20 MARK LANE, LONDON, E.C.3.

THE "D & O" BRAND

is the "Standard of Quality" for

OILS of BAY, CEDARWOOD, PATCHOULI, PEPPERMINT, SASSAFRAS, ETC.

BALSAMS of Copaiba, Peru, Tolu.

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Phone— ROYAL 3843.

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Aromatic Chemicals **Flower Oils**

Synthetic Perfumes **Essential Oils**

CHEMICAL WORKS, ROERMOND

H. RAAB & CO., ROERMOND, HOLLAND.

Agent for the U.K.:

MR. ALFRED PAUL WHITE, 5 Water Lane, Gt. Tower St., London, E.C.3

Telegrams: Whaitep, Bilgate, London.

Dorin Ltd.

41 CHARTERHOUSE SQ., LONDON, E.C.1

FOR DELIVERY FROM STOCK.

ALL BEAUTY PREPARATIONS.

From MAISON DORIN, PARIS.

'Phone : Central 1954.

PAPIER POUDRÉ POPPŒA ROUGE

Made in Booklet Form in White, Rose and Rachel tints 4d., 6d., 8d., and 1/4 sizes at 2/8, 3/9, 5/- and 10/- per dozen nett, respectively.

ONE SIZE ONLY 1/- at 8/- per dozen.

Sole Proprietors and Manufacturers:

PAPIER POUDRÉ, Ltd., 46 Baker Street, W.1

NONE GENUINE WITHOUT ABOVE TRADE MARKS

If you want to meet Competition

Read this Announcement!!

Please note change of address:

R. F. WHITE & CO., Ltd.

Victoria Station House,

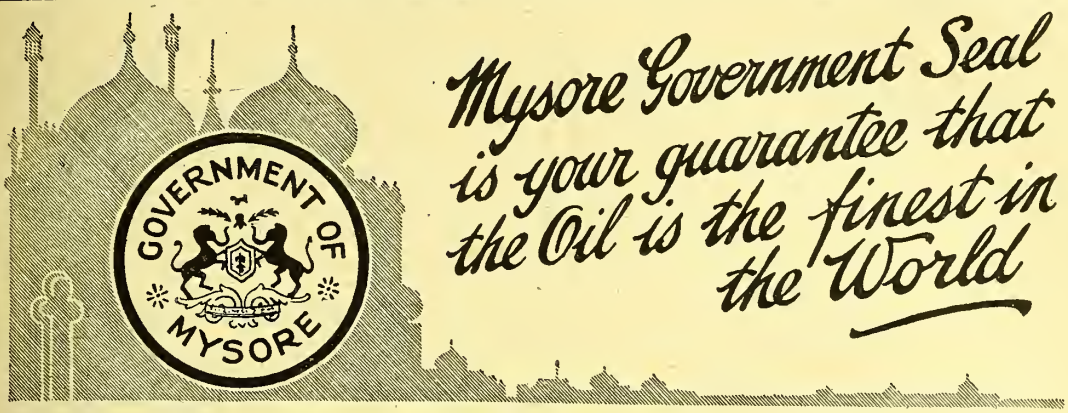
LONDON, S.W.1

A SUPERFINE TOILET SOAP—20/- per gross

2¼ oz. Tablets. 3 doz. Boxes. Assorted Perfumes

Free Cases. 2 Gross Carriage Paid

Write to the NON-COMBINE HOUSE for a free sample



EAST INDIAN

SANDALWOOD OIL

Sole European Distributors:

ESSENFLOUR PRODUCTS LTD.

"Perfume House" 6, 7 & 8 BEAUCHAMP STREET, LONDON, E.C.1

Telephone: HOLBORN 2499, 6214, 6215 (3 lines). Telegrams: "EKDUM, LONDON."

BUY

Californian

OIL OF SWEET ORANGE

PRODUCED BY

THE EXCHANGE ORANGE PRODUCTS Co., San Dimas, Cal.

ASK YOUR DEALER FOR SAMPLE and QUOTATION. SPOT GOODS.

THE CHEAPEST SOURCE OF ORANGE FLAVOUR

DEALERS SHOULD GET IN TOUCH WITH THE EUROPEAN DISTRIBUTORS:

TELEPHONE: ROYAL 2777 2778 2652

WHEELER & HUISKING, LTD.

26 & 27 GREAT TOWER STREET, LONDON, E.C.3

TRADE MARK

A BIG SELLER

The "YVONNE" (Regd.) COMBINATION POWDER PUFF

This unique Puff, made of the best quality lambs' wool, actually holds the powder and does away with the necessity of carrying a separate box of powder.
The Puff has a sifter lining which diffuses the powder evenly over the outside face of the Puff.

**ONE CHARGE OF POWDER LASTS FOR SEVERAL DAYS.
SAVES POWDER.
DOES AWAY WITH THE POWDER BOX.
ALWAYS READY FOR USE.**

Supplied in three sizes, each puff in a separate fancy box, with descriptive showcard.

RETAIL	1/-	1/3	1/6
PRICES PER DOZ.	8/-	10/-	12/-
In 3 doz. lots (one size)	7/-	9/-	11/-

Gilt Vanity Boxes, with mirror inside, supplied to hold the two smaller sizes.

SPURWAY ET CIE, LTD.

**89 Great Eastern Street,
LONDON :: :: E.C.2.**

**CANNES-GRASSE, RIVIERA.
PARIS.**

LEIPSIC NEW YORK
KINGSTON (ONTARIO)

Telegrams - "NEROLI, LONDON."
Telephone - - BISHOPSGATE 1372.

SUPPLY and DEMAND

We can help you with both. Our method of creating a demand is based on
QUALITY OF GOODS AND EXTENSIVE ADVERTISING.

One without the other, with such a product as ANZORA, is useless. A new ANZORA customer soon becomes a regular customer, for there is no other preparation which so effectively controls the hair. Make sure you meet the ever-increasing demand by ordering a supply of ANZORA to-day.

Anzora Cream for greasy scalps and Anzora Viola for dry scalps.

TRADE TERMS:
12/- dozen : retail at 18/-
20/- ,, ,, 30/-
Obtainable from Wholesalers.
Write for a supply of attractive cut-outs, show cards, etc., post free.

ANZORA

MASTERS THE HAIR.

If unable to obtain from your wholesaler write direct to ANZORA PERFUMERY CO., LTD., LONDON, N.W.6

Beetham's

Lait Larola
Larola Rose Bloom
Glycerine & Cucumber

ALL PROTECTED AT FACE VALUE

M. Beetham & Son.
CHELTENHAM.

Bristow's Medicated Ichthyol Skin Soap

This well-known line is now put up in two sizes, which sell and repeat at

6D. AND 1/-

6D. Tablets 48/- Gross less 5%

1/- „ 90/- „ „

FULL SHOW MATERIAL

WRITE TO US FOR PARTICULARS OF SPECIAL BONUS OFFER.

T. F. BRISTOW & CO., LTD.,
Colindale—N.W.9.

THE CHEMIST'S OWN LINE

Actual Size

Again——!

PIVER'S
SUMMER FRAGRANCES

Minoa	Sweet Pea
Lilalba	Mimosa Ilex
Cyclamen Neige	Jasmin Flava
Violette Regis	Rose Soleil
Muguet Mayalis (Lily of the Valley)	Oeillet Frange (Carnation)

What so apt in summer time
As scents of flowers in their prime!

LAST year's gratifying success of Piver's Summer Fragrances must still be fresh in the minds of Traders throughout the country.

LET them rest assured that the exquisite lasting delicacy of the Perfumes themselves is still fresh in the memories of users and will captivate a still greater number this season.

33⅓% PROFIT

Wholesale 20/- per doz. Retail 2/6 per bot.

Summer Fragrances are to be well advertised.

PARFUMERIE L. T. PIVER (PARIS),

London Depot:
102 Dean Street, Oxford Street, W1
(Regent 5200)

Depot for Irish Free State:
G. J. DAVIES - - 27 Eustace Street, Dublin.

DEARBORN (1923) LTD.

37 Gray's Inn Road, London, W.C.1

Toilet Specialties.

	Price per doz. to Retailer	Selling Price P.A.T.A.
PILENTA SOAP ... ... A complexion soap.	10/-	1/-
PROLACTUM ... ... For the lips.	10/-	1/-
PARSIDIUM JELLY ... ... For wrinkles.	10/-	1/-
ALLACITE OF ORANGE BLOSSOM ... ... A dressing cream.	22/6	2/6
BORANIUM ... ... A hair tonic.	22/6	2/6
CLEMINITE ... ... For a face lotion.	22/6	2/6
COLLIANDUM ... ... For a face tint.	22/6	2/6
PERGOL ... ... A deodorant.	22/6	2/6
TEKKO PASTE ... ... Camphor cream.	22/6	2/6
STALLAX ... ... For a shampoo.	22/6	2/6
JETTALINE ... ... For clearing the skin.	31/6	3/6
PHEMINOL ... ... A depilatory.	36/-	4/-
MENNALINE ... ... For the eyelashes.	36/-	4/-
MERCOLIZED WAX... ... A face cream.	18/- 31/6	2/- 3/6
STYMOL ... ... For oily complexions and blackheads.	36/-	4/-
SILMERINE ... ... Hair-curling fluid.	22/6	2/6
BARSYDE ... ... Dandruff eradicator.	22/6	2/6
TAMMALITE ... . For grey and faded hair.	22/6	2/6
LIQUID PERGOL ... ... To check excessive perspiration locally.	31/6	3/6
BICROLIUM ... ... For whitening the hands.	22/6	2/6
COCONOIDS ... ... For figure development.	31/6	3/6

The Products of
Messrs. PARKER, BELMONT & CO.

CLYNOL BERRIES ... ... For obesity.	36/- 58/6	4/- 6/6
SOFT PALERIUM ... ... For wrinkles.	45/-	5/-
LIQUID NAIL POLISH ... Brilliant and lasting.	10/-	1/-

Stocked by ALL Wholesale Houses.

COLONIAL DEPÔTS AND AGENCIES.

Australia: ALL WHOLESALERS, & DEARBORN (Australia), Ltd., Grace House, Clarence Street, Sydney.
South Africa: LENNON, Ltd., Cape Town, etc. SIVE BROS. & KARNOVSKY, Johannesburg.
India: FRAMJEE & SON, Bombay. A. L. CHOUDRY, Calcutta.
New Zealand. SHARLAND & CO., Auckland and Wellington.
South America: DEARBORN (South America) Ltd., Calle Pavon 2100, Buenos Aires.
Straits Settlements & Federated Malay States: MEDICAL HALL, Ltd., Singapore.

VALUE

PALM OIL TOILET SOAPS

3½ oz. tablets, boxed in fancy boxes - - 2/3 per dozen
2 gross lots - - - - - - - 24/- per gross

HEALTH SALTS - - - 4/3 per dozen tins

Gross lots - - - - - - - 48/- per gross

LYSOL, SYRUP of FIGS, LIQUID PARAFFIN

etc.

FULL SERIES OF TOILET PRODUCTS, OWN NAME OR PLAIN LABELS.

SPECIAL TERMS TO WHOLESALERS AND LARGE BUYERS.

EDWARDS & GRITTON

ANCONA WORKS,

PLUMSTEAD HIGH STREET, LONDON, S.E.18.

Telegrams—Edwagritt, Wol, London. *Telephone—Woolwich 804.*

THE ORIGINAL :: :: AND :: :: STILL THE BEST

JACKEL'S CREAM WITHOUT GREASE FOR THE HAIR

SOLD EVERYWHERE.

1/9 PER BOTTLE 2/6

Jackel's Cream has now been over 40 years on the market and enjoys a steady reliable sale. Once a customer buys Jackel's, imitations have no appeal because Jackel's is still the best.

HOW ARE YOUR STOCKS AT PRESENT?

12/- and 18/- per dozen.
Retailing at 1/9 & 2/6 per bot.

SHOWCARDS AND PARTICULARS FROM YOUR WHOLESALE HOUSE.

JACKEL et CIE (of Paris) Ld.

GLASGOW.

E. SACHSSE & CO.

LEIPZIG GERMANY

Manufacturers & Distillers of

TERPENE & SESQUITERPENE FREE OILS (T.S.F.)
ALL B.P. ESSENTIAL OILS
FLOWER OILS
COMPOUND PERFUMES
ORRIS OIL PRODUCTS, ETC.

WRITE FOR PRICE LIST AND SAMPLES.

Sole Agents U.K.:

T. HARRISON & CO.

BURNLEY HOUSE, WILLESDEN, N.W.10.

IMPORTERS OF DRUGS, CHEMICALS, ESSENTIAL OILS, ETC.

Telephone: Willesden 731. Telegrams: "Arismercha, Willroad, London."

STOCKS IN LONDON.

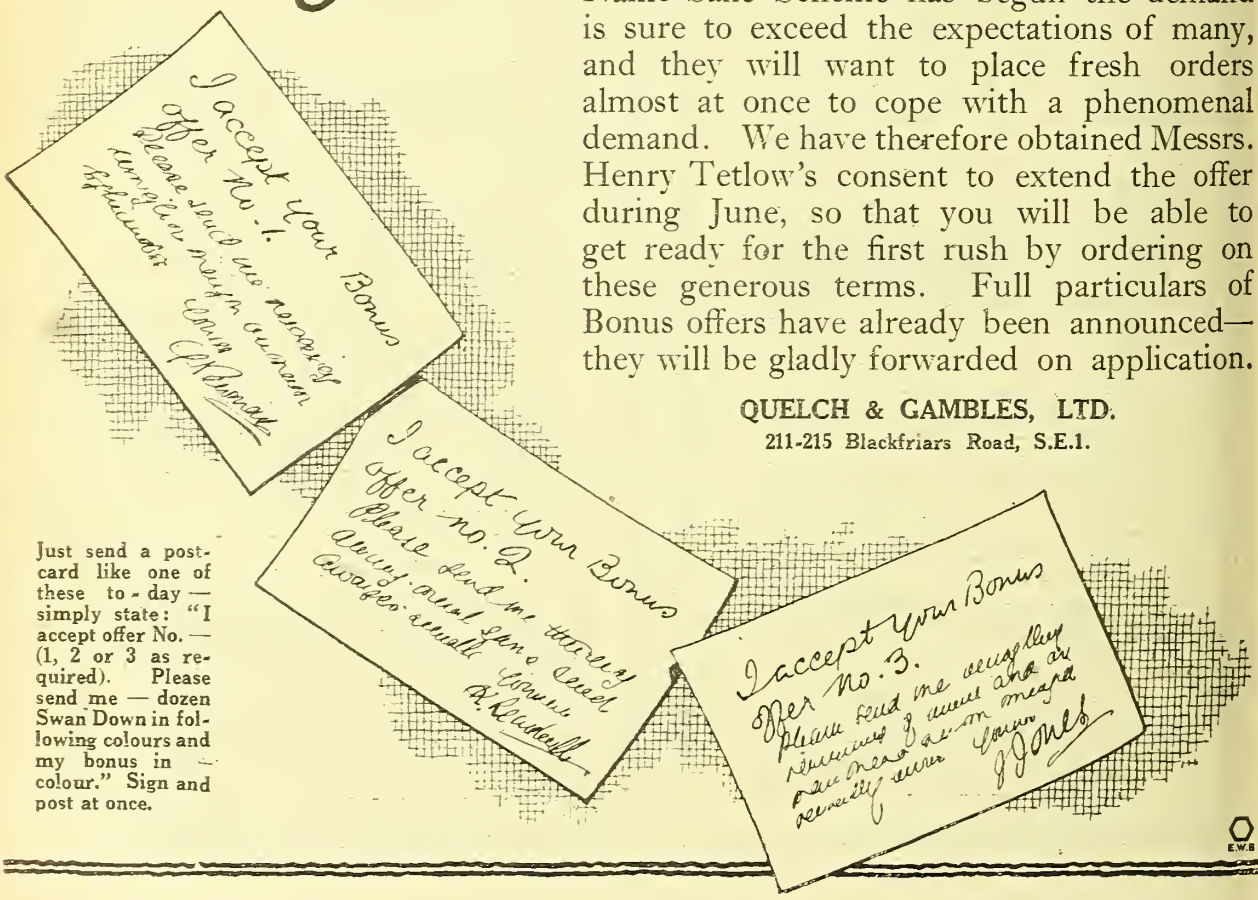
June's big Opportunity!

Swan Down Bonus offer to remain open!

RIGHT up to the last moment orders have been pouring in, taking advantage of the Swan Down Bonus Offers. Now that the Name-Sake Scheme has begun the demand is sure to exceed the expectations of many, and they will want to place fresh orders almost at once to cope with a phenomenal demand. We have therefore obtained Messrs. Henry Tetlow's consent to extend the offer during June, so that you will be able to get ready for the first rush by ordering on these generous terms. Full particulars of Bonus offers have already been announced—they will be gladly forwarded on application.

QUELCH & GAMBLES, LTD.
211-215 Blackfriars Road, S.E.1.

Send one of these postcards to-day!



Just send a postcard like one of these to-day — simply state: "I accept offer No. — (1, 2 or 3 as required). Please send me — dozen Swan Down in following colours and my bonus in — colour." Sign and post at once.

Ardleigh Green

Wet Drugs Department at Ardleigh Green.

ARDLEIGH GREEN! It is here that "StaffAllenS" products are packed for world-wide distribution. The most modern equipment and methods—hygienic surroundings—labels and containers in quiet yet dignified taste—these are some of the factors in producing that distinctive appearance of "StaffAllenS" packing, from which one senses *instinctively* the high quality of the contents.

AN EXAMPLE OF "STAFFALLENS" PACKING

"StaffAllenS"

FINE QUALITY PRODUCTS

STAFFORD ALLEN & SONS Ltd.

MANUFACTURING CHEMISTS & ESSENTIAL OIL DISTILLERS

ESTABLISHED 1833

COWPER ST., LONDON, E.C.2

Farms and Distilleries: LONG MELFORD, SUFFOLK.

Packing Warehouses: ARDLEIGH GREEN, ESSEX

Telephone: Clerkenwell 2100 (4 lines). *Telegrams: "Stafalens, Finsquare, London."*

MORNY
SELS AROMATIQUES
POUR LE BAIN
(AROMATIC BATH SALTS)

Perfumed with the Original Morny Fragrances—

"CHAMINADE"

"MYSTÉRIEUSE"

"NUIT DE CARNAVAL"

"TRIOMPHE"

Perfumed with the Original Morny Fragrances—

"JUNE ROSES"

YESHA"

"NOCTURNE"

"SÉRÉNADE"

And also in a wide range of FINE FLORAL ODOURS, including "COLOGNE," "LAVENDER," "ROSE-VERVEINE," "OAKLEAF GERANIUM" & "VIOLETTE-MORNY."

ELEGANTLY PRESENTED, MODERATELY PRICED AND OF HIGHEST REPUTE.

The Morny Fine Perfumery Products are an adornment to the Highest Class Retail Establishment and attract the best type of customer.

EXTENSIVELY ADVERTISED IN THE PRESS.

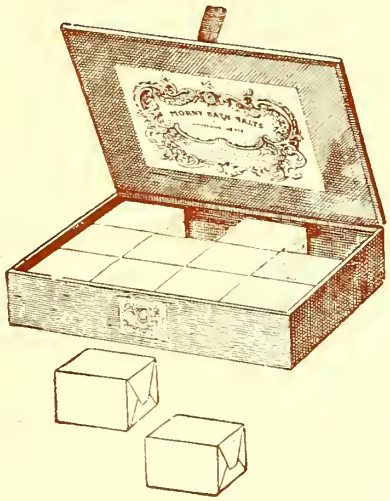
Artistic Showcards and Descriptive Pamphlets on request.

APPLY FOR TERMS AND PRICES TO—

MORNY FRÈRES, LIMITED, 6 NEW BURLINGTON STREET, LONDON, W.1.

MORNY
SELS AROMATIQUES COMPRIMÉS POUR LE BAIN
(BATH SALTS TABLETS)

Perfumed
" CHAMINADE "
" JUNE ROSES "
" MYSTÉRIEUSE "
" YESHA "
" FANTAISIE "
" SÉRÉNADE "
" LAVENDER "
" ROSE-VERVEINE "
&c., &c.,



The original
MORNY
BATH SALTS
in the popular
compressed form.

Issued in
cartons containing
12, 24, 36 and 144
tablets.

The quickest selling Toilet Product
during the entire summer season.

A CREDIT TO THE PHARMACIST WHO SELLS—
A JOY TO THE CUSTOMER WHO BUYS

APPLY FOR TERMS AND PRICES TO—

MORNY FRÈRES, LIMITED, 6 NEW BURLINGTON STREET, LONDON, W.1

Colour

AS AN AID TO ADVERTISERS

Colour makes all the difference—as this sample of two-printings shows.

It attracts and concentrates attention on specific points and lends distinction to an announcement even of a general character.

There will be three two-colour sections available for advertisers in the

ANNUAL SPECIAL ISSUE OF JUNE 27, 1925

Particulars of the space still vacant in each of these sections may be obtained from The Publisher,

The Chemist & Druggist

42 Cannon Street, London, E.C.4

Branch Office:
19 Waterloo Street,
Glasgow.

Branch Office:
54 Foster's Bldgs., High Street,
Sheffield.

4 Cannon Street, Manchester.

Elfrida . . . . . the preferred Toilet Series

Who is your best customer for Toilet goods?

The customer who buys toilet goods by a name, who doesn't need to examine samples and compare prices every time, is a most satisfactory customer to do business with.

Those who buy that way save their own time and yours. You know exactly what they expect. They know exactly what they will get. The customers who buy Elfrida from you once will buy from you again, knowing you have exactly what they want, they won't trouble to look round elsewhere.

The Elfrida Toilet goods give satisfaction, the enormous demand proves that. It is up to you to secure your full share of this business. Get a good display in your window, the results will surprise you.

We are showing at Wembley this year. Thousands of potential customers will see the Elfrida stand in the Palace of Industry. All this means extra business for you, if you will link up with this strong selling effort.

W. B. CARTWRIGHT, LIMITED, RAWDON, NEAR LEEDS

A "FURSAC" SOLD—A "FURSAC" TRIED

ANOTHER USER SATISFIED

Registered. **"FURSAC"** Patent applied for.

The Finest Powder Puff in the World.

From all Druggists' Sundriesmen, or direct from

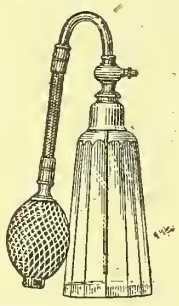
FLETCHER SQUIRES & CO.

Phone: Riverside 3110. **70 GOLDHAWK ROAD, W.12.**

Make your **PHARMACY BRIGHTER**

BY DISPLAYING

PERFUME SPRAYS.



We have a wonderful range of PARISIAN SPRAYS
Prices from 1/6 each

POWDER BOWLS.

ENGLISH POTTERY WARE
In many Colours and Designs
Round Shape and Octagonal

Small size, 4½" diam. ... each 2/9
Med. size, 5½" diam. ... each 3/9
Large size, 6½" diam. ... each 5/3

A MOST POPULAR LINE

SHAVING BRUSHES.

LONDON MADE GUARANTEED UNSPLITABLE STERILIZED BADGER UNION.

No.	2	3	4
Doz.	27/-	32/-	36/-
No.	5	6	7
Doz.	42/-	48/-	53/-

Order *NOW* these dependable ready sellers from—

WILLIAM EDWARDS & SONS

WHOLESALE AND EXPORT DRUGGISTS SUNDRIESMEN

14-18 NILE STREET - - - CITY ROAD, LONDON

TELEPHONES: CLERKENWELL 5230, 5231, 5232.

)verwhelming Success!

e wish to tender our heartiest thanks to our trade ends for the wonderful reception accorded the troduction of our sixpenny lines of

Vanoré

ANISHING CREAM & SIFTER BOX POWDER (Patd.)

d beg to express our regrets for the delay in the ecution of orders owing solely to the enormous mand entirely overwhelming our resources. very step is being taken to press forward delivery, d a large plant is being installed to cope with the st business resulting from our policy of providing e public with toilet preparations of high quality low prices. If you have not already done so

PLACE YOUR ORDER NOW
FOR THESE RECORD SELLERS

QUALITY GUARANTEED

No connection with any other firm producing sifter-box powders or creams.

Both lines - - 51/- per gross. Carriage paid £2 upwards. Cash Discount 3¾% 7 days.
ATTRACTIVE SHOW CARDS FREE. Order direct or through your wholesaler.

ANORÉ LTD., 4-6, MUSWELL HILL ROAD, HIGHGATE, LONDON, N.6.

Both retail at 6d. each.

British Pat. No. 135763.

Patented throughout the world.

"Beaverpuf" Series.

NEW MODEL

Crepe-de-Chine Handkerchief with natural undyed Fur Puff.
Model K 40, **7/6** each.
Model K 41, **6/6** each.

Crepe-de-Chine Handkerchief with Purified Lambswool Puff.
Model K 42, **4/6** each.

Complete with "Beaverpuf" Powder ready for use.

FLEXIBLE GAUZE DISC SIFTER (Patent applied for).
For those who desire to use their own Powder with
MOUSLEY'S PATENT POWDER PUFFS.
Put powder in bottom of case, cover with a series of flexible gauze discs, according to the quantity of powder required for use with puff.
Price **8d.** per dozen.

The "Beaverpuf" Series Powder Puffs have the Largest Sale in the World.

Sole Concessionnaires for Great Britain and Ireland:
"Beaverpuf" Ltd. PRIEST BRIDGE, MORTLAKE, LONDON, S.W.14

Absolutely Reliable

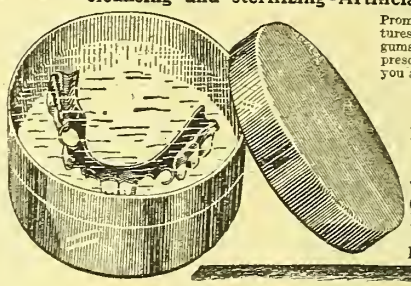
PATENTED Great Britain and Abroad.

SACKER'S HYGIENIC COMB

The Greatest de-Louser and NIT Remover ever invented.
Highly recommended by all the leading members of the School Medical Service in the U.K.
Made of Metal in Two Grades.
Retails at 2/9 and 5/6 each.
Wholesale 24/- and 48/- per dozen.
FULL Price List on application.
SACKER'S HYGIENIC COMB & TOILET SUPPLY COY.
(Office and Works),
13 BLACKSTOCK ROAD, LONDON. N.4.

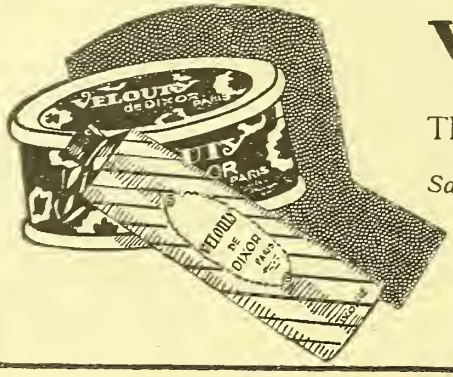
Tiffin's Dentabath

is the logical and most simple device for cleansing and sterilizing Artificial Teeth



Promotes clean, smooth dentures, and stronger, healthier gums. Doctors and dentists prescribe it. May we send you a sample dozen?

Retails at..... **4/6**
Doz. lots, 39/- c. fd.
2-doz. „ 39/- c. pd.
London Wholesalers:
WARRICK BROS. 6 Nile St., City Rd. N.1.
Makers:
Tiffin's Dentabath, Ltd., South Shields.



VELOUTY de DIXOR PARIS

COMBINED CREAM AND POWDER
The advertised line that you are asked for.
DAINTY PRESENTATION
Samples free upon receipt of tradecard or billhead.

Prices:—Full size pot	21/- doz.	Retail	... ...	2/9
Super Tube	22/- „	„	... ...	3/-
Large „	14/- „	„	... ...	2/-
Handbag „	3/- „	„	... ...	6d.

Obtainable from your regular Wholesaler or direct from the Sole British Agents:
DEBACQ & HARROP, 7 Little Goodge Street, LONDON, W.1

On P.A.T.A.

SALOMON'S

GENUINE

LEMON JUICE CREAM

"The New Skin Tonic."

10/6 per doz. pots.

Minimum RETAIL PRICE .. **1/6**

LEMON JUICE SOAP

No. 548.

24/- doz. boxes of 3 tablets.

Minimum RETAIL PRICE **1/-** per tablet.

2/9 per box of 3 tablets.

Special Quotations for quantities on application.

SOLE CONCESSIONNAIRES for GREAT BRITAIN and IRELAND: **ROBERT FERBER, LTD.**

Carlton Works, Asylum Road, Peckham, London, S.E.15

Telephone: New Cross 768.

AMPLE DISPLAY MATERIAL FREE.

Are you selling HU-MAG-SO-LAN?

CHEMISTS everywhere tell us that our great advertising campaign is beginning to build up a big trade in this wonderful hair food. The new small sizes make it easy for the public to buy a trial bottle, and almost invariably they come back for more.

Now in three sizes, **3/9, 6/9, & 12/6.**

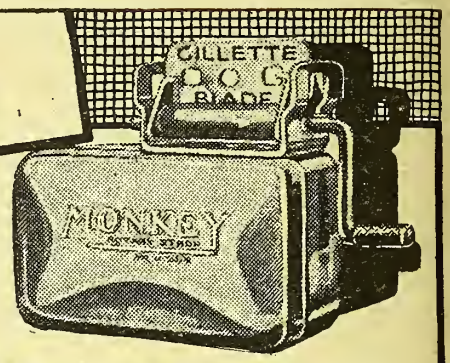
Our advertising is of course being continued, even increased. It will bring you more business than ever. Will you take advantage of it? If you already have a stock, display it prominently. If you are out of stock, order a supply of all three sizes to-day.

Liberal Window Display Terms on application.

HUMAGSOLAN Ltd.

10 CHARING CROSS ROAD, LONDON, W.C.2.

33⅓% Profit



Don't lose sales

Send now to your WHOLESALER for this ingenious little stropping device with a rapidly increasing sale. There is no doubt of its popularity amongst safety razor users, being the cheapest, the most consistently advertised, and the most efficient rotary strop on the market.

Order now from your usual Wholesaler, or direct from the Manufacturers.

The MONKEY STROP is now stocked by the principal Wholesalers, including:—

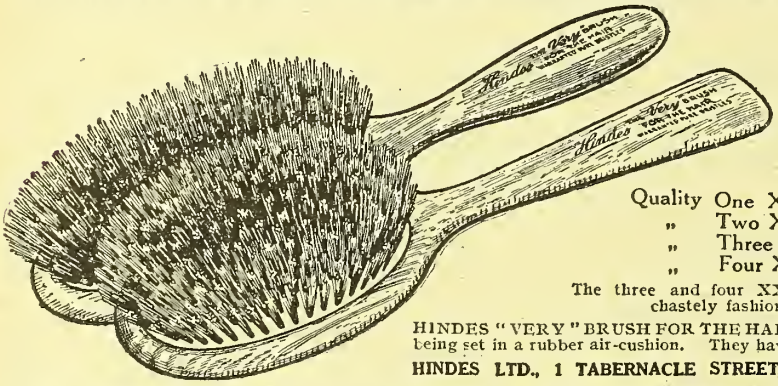
EDWARDS, W., & Sons - - London, N.1
SUTTON, W., & Co. (London), Ltd. - London
MAY, ROBERTS & Co., Ltd. - - London
SANGERS - - - London, N.W.1

MONKEY STROP

(IMPROVED MODEL)

Complete with nickel-plated case. TRADE, 45/- PER DOZEN. Showcards and advertising matter free on demand. Over 150,000 in use. Sold only at definitely fixed price of **5/6**

Manufacturers: **DOUGLAS KIRBY & CO., LTD.**
(Dept. C.D.), ST. JOHN'S LANE - - GLOUCESTER



HINDES "VERY" HAIR BRUSH

Quality	One X	Sold at 7/6d. each.	TRADE PRICE 33⅓%
"	Two XX	" 10/6d. "	
"	Three XXX	" 15/- "	
"	Four XXXX	" 18/6d. "	

The three and four XXXX grade is made in Ebony or Rosewood chastely fashioned in both oval and circular bodies.

HINDES "VERY" BRUSH FOR THE HAIR is guaranteed pure bristles, the multiple tufts being set in a rubber air-cushion. They have been known to the trade for nearly 40 years.

HINDES LTD., 1 TABERNACLE STREET, LONDON, E.C. :: *Works:* BIRMINGHAM

Telephone: Axminster 5. *Telegrams: "Coate, Axminster."*

COATE & CO. (Axminster) Ltd.

The London Brush Works, Axminster, Devon.

Estab. 1847.

Manufacturers of Super British Brushes

Our Special "PROPHYLACTIC" Tooth Brushes—

3 row Hard, Medium, Soft, Yellow Hair @ ... ... 16/- per dozen
4 " " " " " " ... ... 18/- " "

Orders for one gross supplied in Cartons with customer's name and address free.
Every Brush Guaranteed. British made by British Labour. Send for our present list of prices.

Pears

SLOGAN COMPETITION

Your Customers' Success is YOUR Success

Pears' are offering 20 Cash Prizes to your Customers in this simple Slogan Competition. There are, in addition, up to 12,000 Local Prizes—each prize being five-shillings' worth of Pears' goods.

We furnish the prize money and goods. You do the actual handing over of your Local Prize. For every one of your customers that wins a prize, you receive a like amount—and

First Prizes, for Public and Chemists, are £100 each

Send a postcard to-day and we will forward you full particulars of this novel competition. Your customers will be immediately interested.

There are no conditions—no bothersome details to cause you inconvenience.

Simply invite users of Pears' Soap to grade a selected list of Pears' slogans—which we supply—according to merit.

Original slogans also are eligible for prizes—£20 for each one accepted for use in their advertising.

Here are three classes of prizes:

Twenty National Prizes in cash to the public.

Twenty National Prizes in cash to the chemists.

12,000 Local Prizes—in goods to the public.

Get your supply of specially attractive window display material and Competition Forms to-day.

A. & F. PEARS, LIMITED,
71-75, NEW OXFORD STREET, W.C.1

P. G. 29-29.

DAGGETT & RAMSDELL'S

PERFECT

COLD CREAM

NEW PRICES

6d. Tubes	..	3/6	per doz.
1/3 ,,	..	9/-	,,
2/6 ,,	..	20/-	,,
1/9 Jars	..	14/-	,,
2/6 ,,	..	20/-	,,
4/- ,,	..	32/-	,,
7/6 ,,	..	60/-	,,

Special Display Terms.

BROOKS & WARBURTON

(American Drug Supply Co.) Ltd.

40-42 Lexington Street, London, W.1

TORTOISESHELL

(IMITATION)

HAIR BRUSHES
COMBS
MIRRORS
TRAYS
PUFF BOXES
HAIR TIDIES
RING STANDS

and every article for the Dressing Table

Also in WHITE and COLOURS

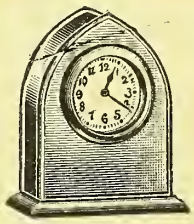
John Quilliam & Co. (1923) Ltd.

Canterbury Works, Victoria Bridge, Manchester.

Another DRUMMER display-help

The DRUMMER ORPHEANS band will broadcast a profit-bringing message from your window. Beautifully printed, built of stout cardboard, easy to fix, makes most effective display in narrow space. Put a pile of Drummer Dyes on the Bandstand.

EDGE'S BOLTON



YOUR COMPETITORS

are selling lots of

CLOCKS & WATCHES

Why don't you?

Single Alarms ... ... 30/- doz.
Enamel Fronted Clocks, assorted colours, as illustrated 36/- doz.

Largest variety ever offered in stock.
SEND FOR FULL LISTS.

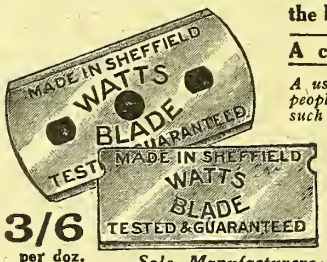
We can also supply **Genuine Gillette Blades**, and all leading makes of **Safety Razors and Blades.** Let us quote you. Our prices are unbeatable. Terms: Nett Cash with Order or goods sent against approved refs.

L. FRANKENBERG, 15 Stoney Lane, Houndsditch, London, E.1. *Phone: Avenue* 1170.

Assist British industry by recommending the 'WATTS' Sheffield-made Safety Razor Blade, the blade of *super-keenness.*

A counter display will help.

A user writes: "Can't understand people buying foreign blades when such as yours are obtainable."



12 Perfect Blades in Every Dozen

For Gillette-Type and Autostrop-type holders

3/6 per doz. allowing 50% PROFIT on cost for the dealer.

Sole Manufacturers: **JOHN WATTS,** Dept. 3, LAMBERT WORKS, SHEFFIELD.
London: 24, REDCROSS ST., E.C.1.
Established over 150 years.

A POSTER FOR YOU!

At the suggestion of our pharmacist friends we have prepared for window display the poster shown below.

Its exhibition has improved sales, and incidentally provided a much needed instruction to the public.

WARNING!

The Public are cautioned against purchasing so called

LYSOL

from any persons or firms other than

QUALIFIED CHEMISTS

who are the only persons allowed by the Pharmacy Acts to sell the original preparation **MARSHALL'S LYSOL**

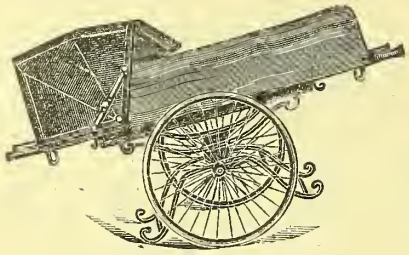
Imitations are absolutely worthless for the purpose for which "Lysol" is intended, and serious consequences may result from their use.

FOR YOUR PROTECTION
Insist on having MARSHALL'S.

Will you help on the good work by showing a copy in *your* window?

If so, send us a postcard and we will send you some per return.

LYSOL LTD. LONDON, S.W.20



AMBULANCE CARRIAGES & STRETCHERS

A RECENT Home Office Order, which comes into force on July 1st, requires that all Docks, Wharves, Quays, Harbours, Canals, etc., where the process of Loading, Unloading, Moving or Handling goods is carried out, shall be provided with Ambulance Carriages and Stretchers. A great number of chemists are in a position to handle these articles, and we suggest that they approach the owners of such establishments, who will probably be glad to have information as to a source of supply.

PRICES & PARTICULARS SENT ON APPLICATION

WE ALSO SUPPLY **STERILIZED DRESSINGS** AND **AMBULANCE CASES** CONFORMING TO THE HOME OFFICE REQUIREMENTS FOR USE IN FACTORIES AND WORKSHOPS. QUOTATIONS SENT ON REQUEST - - - - -

BRITTON, MALCOLM & WAYMARK, Ltd.
38 SOUTHWARK BRIDGE ROAD.

TELEPHONE— HOP {1350 2124

BMW DEPENDABLE

Have you Seen the Latest?

VIC Regd.
FACE-CLOTH

Appeals specially to ladies. Its tonic action preserves skin beauty and avoids wrinkles. Never gets "slimy." In neat packages and leaving a sound profit-margin is a first-class counter-seller. Introduced by the makers of the

NORVIC

CRÊPE BANDAGES
Recommended everywhere by doctors and nurses as the preventive and cure for varicose veins. In 2, 2½, 3, 3½, and 4 in. widths.

CRÊPE BINDERS
Invaluable in maternity and all cases where elasticity, support and adaptability are required. In 6, 8 and 11 in. widths.

Grout & Co., Ltd.
Great Yarmouth
Stocked by all leading wholesalers.

VIC REG.D

IF IT'S TRUSSES YOU WANT?

THEN TELL YOUR SUNDRY HOUSE THEY MUST BE—

ELLIS SON & PARAMORE'S
SHEFFIELD

IF THEY ASK WHY — SAY THEY ARE THE BEST ON THE MARKET, AND HAVE BEEN FOR 125 YEARS.

Our Advertising is selling the new "Clinical"—

"The Sentinel"

to your Customers!

DON'T MISS SALES through not having supplies, but send at once for full details to

Sole Manufacturers:

G. H. ZEAL, Ltd. 77 ST. JOHN STREET, CLERKENWELL, E.C.1.

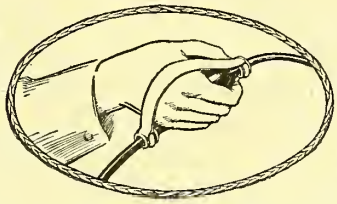
Telephone: CLERKENWELL 5202.
Telegrams: "Zealdom, Smith, London."

When Better Plasters are made Taylors Will make them

THE REVOLUTION IN THE ENEMA SYRINGE

THE SECURITY GRIP ENEMA

PATENT No. 216402



A High-Grade Enema with a **Big Improvement**

It is generally recognised that, although the basic principle of the Enema Syringe is correct, there was something lacking in the application of the principle.

The **Security Grip Enema** presents such an improvement in this application, and there is no doubt it will fill the want. The **Security Grip** is fitted over the bulb, which prevents that "hand-cramp" which so often occurs when using the present type of syringe.

This is the invention of an eminent London Doctor and has proved of great value in practical use. It leaves a splendid margin of profit, and should be stocked by every Chemist.

P.A.T.A. **32/-** per dozen.

Retail **4/-** each.

This Enema is packed in a well-finished box with a most attractive label and makes a splendid display on counter or in window.

Sold by the following Wholesale Firms, Druggists' Sundriesmen, I. R. Manufacturers and Dealers, and Surgical Instrument Mfrs. in U.K. and Colonies.

LONDON:
Solport Bros., Ltd.
P. B. Cow & Co., Ltd., *India Rubber Manufacturers.*
James Lyne Hancock, Ltd., *India Rubber Manufacturers.*
F. Clements.
Sangers.
May, Roberts & Co.
The Surgical Manufacturing Co. Ltd.
Francis Newbery & Sons, Ltd.
E. J. Reuter Company, Ltd.

BRISTOL:
John Durant, Ltd.
Evans, Gadd & Co., Ltd.
Henry Hodder & Co., Ltd.

BIRMINGHAM:
Cuxson Bros., Ltd.
Southall Bros. & Barclay, Ltd.

MANCHESTER
A. Clunie.
James Woolley, Sons & Co., Ltd.
The Rainwear Co., Ltd.
Chemists' Sundries, Ltd.

NOTTINGHAM
Boots, Ltd.

PLYMOUTH:
Breezes, Ltd.

LEICESTER:
A. de St. Dalmas & Co., Ltd.

COLONIES.

DUNEDIN:
New Zealand Drug Co., Ltd.

SYDNEY:
Elliott Bros., Ltd.
S. Hoffnung & Co., Ltd.

ADELAIDE:
A. M. Bickford & Son.

BRISBANE:
Taylors & Elliott.
S. Hoffnung & Co., Ltd.

AUCKLAND:
New Zealand Drug Co., Ltd.

FREMANTLE:
Felton, Grimwade & Bickford, Ltd.

WELLINGTON:
New Zealand Drug Co., Ltd.

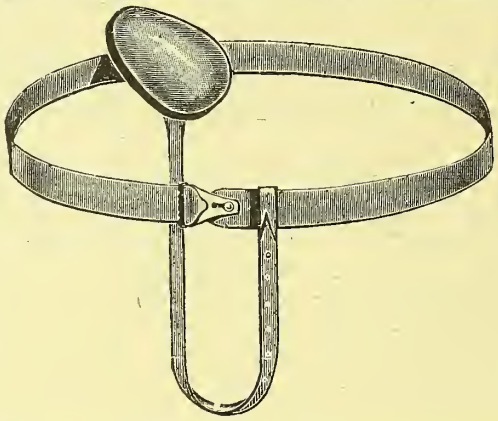
MELBOURNE:
Felton, Grimwade & Co.
Rocke, Tompsitt & Co., P'ty, Ltd.

PERTH, SYDNEY and ADELAIDE:
F. H. Faulding & Co.
Felton, Grimwade & Bickford, Ltd.

SOUTH AFRICA:
Lennon Ltd. All Branches.

THE SIMPLIC (REGD.) ALL RUBBER TRUSS

SIMPLIC SURGICAL SERVICE



SIMPLE SELF-ADJUSTING SECURE

Supplied with INGUINAL, SCROTAL or CIRCULAR PADS Single or Double.

OBTAINABLE THROUGH ALL USUAL SUPPLY HOUSES.

THIS APPLIANCE embodies all the essentials so long sought after. It is EXTREMELY STRONG, INSTANTLY ADJUSTED to any size, and maintains an ADEQUATE PRESSURE under all conditions. The SIMPLIC TRUSS is specially designed for BATHING, being entirely rustless and unaffected by water. Specially prepared to suit all climates, it is the LAST WORD IN COMFORT.

Buy SIMPLIC Branded Goods—TEATS, SOOTHERS, GLOVES, Etc.

BUY YOUR

BOTTLES, JARS, PILL TUBES

PLAIN, CORKED & CAPPED

AND

VACUUM FLASKS

AT LOWEST PRICES

FROM

C. MELIN & CO. 7 INDIA STREET LONDON, E.C.3.

"TAPON" (Regd.)

Tie up your Parcels with Advertising Tying Tape. Pleases both Eye and Pocket and gives Distinction to every Parcel sent out.

Various Colours and Widths, Printed or Plain.

Write for particulars, when Prices and Patterns will be forwarded.

S. D. SIMOND & CO., LTD.

10 Monument Street - - E.C.3

Tel.: Avenue 6378. Telegrams: "Duncasim London."

Hobson's Choice FEET PLAISTERS POWDERS

From the usual Wholesalers or direct—

HOBSON, TRIMBLE & CO. LTD.

11 Union St., LEEDS.

A POST CARD

will bring you our Price List for Developing, Printing, Enlarging, and Bromide Picture Post Cards. Our prices are the lowest in the trade, and our quality of work is of the highest standard.

The foundation of a good photo business is first-class work, therefore trust your D. & P. trade with the first-class firm of

FORBEST LIMITED, Photo Works, Broughty Ferry.

SURGICAL RUBBER GOODS PESSARIES ENEMAS, &c.

SOLE MANUFACTURERS "EVE" BRAND SINCE 1894

ADVERTISING BALLOONS AND NOVELTIES. RUBBER MATS, &c.

X-L RUBBER CO., Altrincham, Cheshire. ENQUIRIES INVITED 'Phone - 709 Altrincham

SEASONABLE SUNDRIES—BATHING CAPS

No. 428

No. 1746

		s.	d.
No. 428.—	**BATHING CAP,** helmet shape, red rubber ... ... per doz.	16	0
	„ „ „ „ lined band ... ... „	18	0
	„ „ „ „ extra stout „ ... ... „	21	0
„ 1746.—	„ „ with chin strap „ ... ... „	24	0
„ 100.—	„ „ helmet shape, not pleated, assorted colours ... ... „	13	0
„ 100R.—	„ „ „ reversible „ ... ... „	14	6
„ 1746A.—	Ladies' Diving Cap, pleated, with chin strap „ ... ... „	18	0
	„ „ not pleated „ „ ... ... „	16	0
„ 1614.—	Gents' Water Polo Cap, standard shape, red rubber ... ... „	20	0

CARRIAGE PAID ON ORDERS OF £3 AND UPWARDS.

A discount of 5% for prompt cash is allowed on all amounts of 10/- and upwards. Money returned if goods are not satisfactory. Write for New Price Lists of Druggists' Sundries, Toilet Requisites, Rubber Goods, Cut Sheet Rubber Appliances, etc.

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for 40 odd years. If you do not stock them you are missing the best line of its kind.

Free Samples: Free Protectors: Free Showcards.

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MAKES LIFE WORTH LIVING

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REFILS (ZEALS ASTHMA FLUID)

Thousands in use in all parts of the World.

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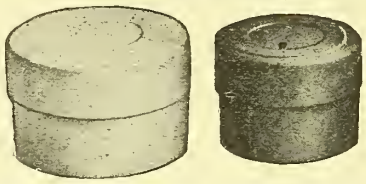
have replaced the old "Willow" boxes—Greaseproof—the bottoms cannot fall out.



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All above post free. Packages free.
Send for particulars of our D. & P. Scheme, it brings business.
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The "Piper" makes him "keep on walking." He simply has to follow the trail of Rats and Mice killed with "Rodine." It supersedes all the best efforts of Felix and his tribe, and besides "Rodine" is

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It assures satisfied customers always and yields a handsome profit to retailers when bought direct. See these testimonies to "Rodine":—

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Prices on Application.

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NICOTINE INSECTICIDES - Are by far the most efficient and economical for destroying sucking Insects in Greenhouse, Garden, Orchard & Field

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¶ The increasing demand for "Standard" Feeders has enabled us to effect economies in buying the components. We are passing this reduction on to you by reducing the price.

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We are overstocked with the following lines, and are quoting VERY LOW PRICES to clear

COLOGNES, Farina, 2 oz.; 4711, 1 oz.
QUININES, 5 oz. **LUBINS,** 6 oz. **BLAKES,** 4 oz.
KALIS, ½ oz., 12 oz., 20 oz. **LIMES,** 8 oz., 12 oz., 16 oz.
SQUARE PERFUMES, 2 oz. **R/S ESSENCES,** ½ dr.
All the above in WHITE FLINT GLASS.

BLUE POISONS, Hex., 2 oz., 3 oz., 4 oz., 6 oz., 12 oz.
AMBER KALIS, 3 oz., 6 oz., 12 oz.
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Let us know your requirements, and we will send samples and prices

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Beautiful Screen Display with 16 lb. orders.

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Mean Greater Turnover for You—and Absolute Satisfaction for Your Customers.

THERE is no more attractive line on the market to-day—there is no better seller—and no article has made larger strides in popular favour.

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are now sold in glass tubes, encased in smart, clean-looking "safety-first" cartons. They are retailed at 2d. each, made in 25 popular shades and colours, and are extensively advertised in the right publications.

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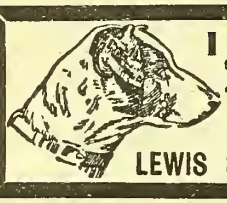

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"BONVET" WORM CURE

enables you to gain and retain it!

Send TO-DAY for display outer containing 1 doz. 1/3 packets, 10/- post free.

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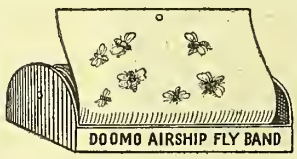

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1 gross orders 7/- per gross, cash with order, delivered carriage free. To retail at 1d. each.

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Sell It to the Nation through the

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The figures from the beginning of January to the end of April are as follow:—

1925

Jan. 4	2,102,704
,, 11	2,100,909
,, 18	2,103,603
,, 25	2,109,395
Feb. 1	2,112,047
,, 8	2,119,059
,, 15	2,120,580

1925

Feb. 22	2,126,054
March 1	2,127,642
,, 8	2,134,205
,, 15	2,138,159
,, 22	2,141,166
,, 29	2,148,278
April 5	2,147,384
,, 12 (Easter Sunday)	2,189,853
,, 19	2,154,736
,, 26	2,148,726

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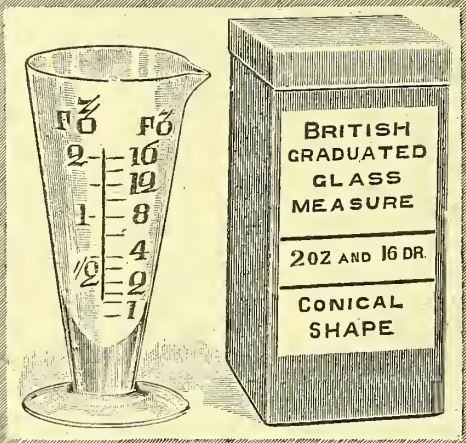

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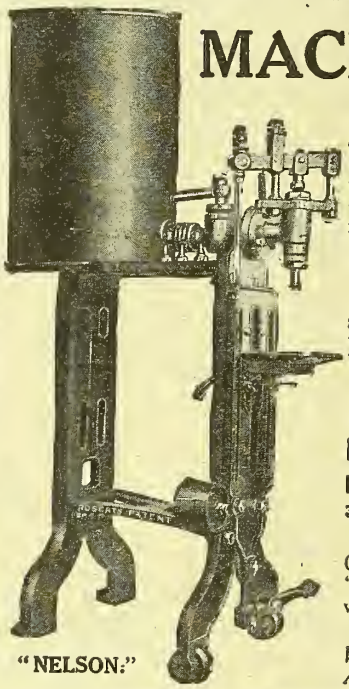

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CLEANLINESS SIMPLICITY

and Rapidity in Bottle Filling.

Write for new Price Lists.

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Our latest patent "Alpha," price £12, will fill 10 gross bottles per hour.

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3 NEW MODELS HAND, PEDAL AUTOMATIC £10:10:0 upwards

ECONOMY SPEED LABOUR-SAVING
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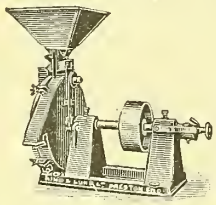

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hand or power driven.

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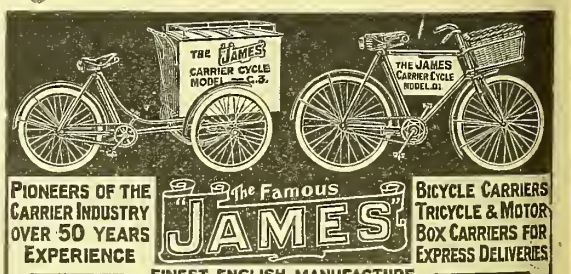

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Light causes deterioration.

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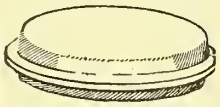
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THE CHEMIST AND DRUGGIST

A WEEKLY JOURNAL OF PHARMACY AND OF THE CHEMICAL AND DRUG TRADES

THE CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official organ of the Pharmaceutical Society of Ireland, the Chemists' and Druggists' Society of Ireland, and of other Chemists' Societies in the Overseas Dominions.

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Chemists' Dictionary of Medical Terms

THE fourth edition of this work is now ready, and copies can be supplied direct at 3s. 6d. (post free 3s. 8d.), or through wholesale houses who supply *C. & D.* books. The new edition has been re-set in a more distinctive type which will make it easier to consult. It is nine years since the last edition was published, and in the interval many changes have occurred in medical and surgical nomenclature. The opportunity has been taken to add new terms and definitions and to delete many words that have become obsolete. The revision has been carried out by medical and pharmaceutical experts. Beside definitions of medical terms and the outlines of treatment, other items include the treatment of cases of poisoning and four anatomical diagrams, with numbered key referring to the parts of the body. The book measures 5⅝ x 4⅜ in., and contains 283 pages. There is an average of about eighteen definitions per page.

English and Welsh News

The Editor will be obliged if subscribers will send him marked copies of newspapers containing items of interest for insertion in this or other news sections.

Society of Chemical Industry

The Society of Chemical Industry has issued the programme of its forty-fourth annual meeting, to be held in Leeds on July 13-18 inclusive. The fixtures open with an informal reception by the President (Mr. W. J. U. Woolcock, C.B.E.), and the annual general meeting takes place on the morning of July 14. Other engagements include a reception in the University; visits to works; a symposium on smokeless fuel; and whole-day excursions to York and to Wharfedale. Applications for tickets should be made (with remittance) not later than July 4 to Professor N. M. Comber, D.S.c., The University, Leeds; members desiring to book accommodation should apply to the General Secretary, Central House, Finsbury Square, London, E.C.2.

Poisonings

The following cases of fatal poisoning, among others, have been recorded since our last report:—

At Hatton, Lincolnshire, the deputy-coroner entered a verdict of "Death by misadventure" after an inquiry concerning the death of a child named Franklin, who was said to have taken "white mercury." Evidence was given to the effect that the packet was labelled "Poison" very plainly. A police sergeant said he had taken a little of the powder to a chemist, who was represented as saying that ⅛ gr. would be sufficient to kill an adult.

At an inquest held on May 28 on a Trawden resident, Albert Robinson, who was found drowned in a bath which contained disinfectants, the coroner remarked that he did not think public authorities should let people have disinfectant indiscriminately without the bottles being labelled "Poison." Under the Pharmacy Acts a chemist was not allowed to supply it except in a labelled bottle. The same conditions ought to obtain all round. Dr. Aitken agreed, and said there was a disparity in the positions in regard to public authorities and chemists.

An inquest was held at Billericay, on June 2, on the body of Joseph Drake, aged ten, a patient in a local hospital. A temporary nurse, giving evidence, said that the boy was ordered four minims of solution of strychnine in two teaspoonfuls of water. She did not realise for the moment that the strychnine in the bottle was undiluted, as she had been accustomed to administer diluted strychnine, so she gave the patient four drachms. The jury, in returning a verdict of "Death by misadventure," said they felt very strongly that grave negligence had been shown in the manner in which poisonous medicines had been administered, and recommended that in future only fully qualified nurses should be allowed to give them.

An inquest was held in Chelsea, London, S.W., on May 29, on the body of Fenetta M. Tugwell, wife of a caterer's manager. The husband stated that he found his wife on the sitting-room couch gasping for breath, and the air of the room was thick with the odour of eucalyptus. A doctor was summoned, and despite the application of emetics she died the following day. By the side of the couch two empty eucalyptus oil bottles were found. Dr. William Henry Thornhill said that when he saw Mrs. Tugwell she was unconscious. Learning that she had taken eucalyptus, he thought she would soon recover, as he did not regard that as a poison. The pupils of her eyes were contracted much as if morphine had been taken. Dr. R. M. Brontë, pathologist, said that the woman's throat was lined with a peculiar yellow colour, reminiscent of mustard gas poisoning so common during the war. It was a definite sign of the volatilising of the eucalyptus. It was the first recorded case of death from eucalyptus poisoning. Eucalyptus was, of course, a family remedy and not classified as a poison. It was possible that the woman had drunk the 3 oz. contained in the bottle. Death was due to heart failure owing to the effects of the

eucalyptus. The coroner, in recording an open verdict, remarked that this was the only case on record of death from "eucalyptus poisoning." [The annual reports of the Registrar-General for England and Wales record three fatal poisonings by eucalyptus oil, one in 1915 and two in 1922.—EDITOR.]

Birmingham

Alterations to the premises of J. & E. Freeman, Ltd., chemists, Icknield Street, have lately been completed.

Among recent subscriptions to the fund in connection with the Children's Hospital is one of £25 from the employees of Southall Brothers & Barclay, Ltd.

Liverpool

Whitsuntide brought the usual amount of trade from the passengers between the railway stations and the landing stage. Films were in especial demand.

Mr. W. M. Delf has joined Mr. G. Winchester as partner in the Phenosal Co., soap manufacturers, 6 Denbigh Street, Liverpool. Mr. Delf, who will take charge of the selling side of the business, was formerly with Lever Brothers, Ltd.

"Manna Opt.," a label on a drawer of a down-town pharmacy, caught the eye of a cotton broker on the day before the Derby. He took "Manna" as an omen of luck, made a modest bet, and won. Moreover, he revisited the pharmacy, buying a crystal bottle of eau de Cologne for his wife.

Sheffield

It is understood that Mr. Hammond's first visit to London as a lecturer was an unqualified success.

The window at the premises of Mr. C. H. Hallatt, Attercliffe Common, was recently broken and a number of cameras stolen.

Under the direction of Messrs. Anderson and Brinson, an exhibition of sundries is being held at the Grand Hotel by Evans Sons Lescher & Webb, Ltd.

Sir Henry Hadow, Vice-Chancellor of the University, gave evidence recently before the Royal Commission on National Health Insurance, on behalf of the Joint Hospitals' Council.

Mr. J. E. Crowe, Grimesthorpe, has organised a visitation of the hospitals by the Sunday School children. As an ex-Army pharmacist, Mr. Crowe is an active worker on behalf of the chemist's status.

Miscellaneous

DEATH IN A SHOP.—On May 30, a visitor to Blackpool named Woodhouse entered the shop of Mr. C. Kemp, chemist and druggist, Central Drive, to obtain relief for "pain round the heart." Before he could be served, however, the man died.

FIRE.—There was an outbreak of fire on the premises of Mr. H. E. Burgess, manufacturing chemist, 15A Brisbane Street, London, S.E.5, on June 1. Some carboys were damaged, but the outbreak was extinguished before becoming of a serious nature.

LONDON CHEMISTS' GOLFING SOCIETY.—The inscription to the illustration on p. 780 of THE CHEMIST AND DRUGGIST was misplaced. It should read (left to right): Mr. T. W. D. Turner, Mr. Jack Jones (the winners) and other members of the Society.

POISON-LICENCE APPLICATIONS.—Applications for licences under Section 2 of the Poisons and Pharmacy Act, 1908, have been made to their respective local authorities by the following: Messrs. H. Miller, Heybridge; S. W. Nott, Whyteleafe; G. W. Gilbanks (Cumberland and Westmorland Farmers, Ltd.), Penrith, Wigton and Kirkbride; C. A. Mitchell, Weston-super-Mare; C. J. U. Hussey, Windsor; Hawkes & Sons, Ltd., Taunton. Dover Town Council has granted a licence to Mr. A. W. Killick (G. & A. Clark).

BURGLARIES.—The premises of Young & Sons, chemists, Leicester, were broken into on May 28; money and goods were stolen.—Thieves entered the office of United Glass Bottle Manufacturers, Ltd., Charlton, on May 29, and after assaulting the manager, made off with a box containing a sum of money which, though the culprits escaped, was subsequently recovered.—The house and shop of Mr. A. A. Marshall, chemist and druggist, Waltham Abbey, were entered by burglars on June 1. The intruders decamped with the sum of £12 10s. and a quantity of jewellery.

IN THE COURTS.—At South-West London Police Court, recently, Henry Sawyer, hawker, was remanded on a charge of attempting to break into the premises of S. W. Vincent & Co., chemists, High Street, Clapham. Mr. F. S. Booth, manager of the shop, stated that nothing had been stolen.—At Basingstoke, recently, Ernest Blois, engineer, was fined £2 5s., and ordered to pay £3 15s. damages, for maliciously breaking a glass panel in the shop-door of Mr. B. C. Jukes, chemist and druggist. It was stated that the defendant committed the offence after being refused laudanum over the complainant's counter.

CONTAMINATED APPLES.—At the meeting of the Camberwell (London) Borough Council on June 3, the public health committee reported the receipt of a communication from the medical officer of health with reference to the contamination of apples by copper sulphate and arsenic. The public analyst reported:—"From the first apples submitted I was able to remove 0.001 gram of blue powder . . . found to consist of:—Copper (calculated as crystallised copper sulphate) 0.140 milligram, arsenious oxide 0.015 milligram, calcium salts, etc., 0.845 milligram. . . . . The powder is obviously the result of spraying with Bordeaux mixture. . . . . Speaking as a chemist, I should say that the amount of copper and arsenic is of no significance. (Signed) Ernest A. Pinchin." The medical officer pointed out, however, that apples are frequently eaten by children without cleansing, and suggested that the particulars be forwarded to the Ministry of Health. The recommendation was agreed to.

Irish News

Poisons and Pharmacy Bill (Northern Ireland)

The Committee stage of the Northern Ireland Pharmacy and Poisons Bill was taken in the Senate at Belfast on May 28. The House having resumed, the Speaker reported that the Committee had gone through the Bill, and directed him to report the same to the House without any amendment. It was ordered that the Bill be read a third time on June 3.

Chemists' and Druggists' Society of Ireland

A meeting of the General Committee of the Chemists' and Druggists' Society of Ireland was held on May 29 at 11 Waring Street, Belfast, the President (Mr. Fred Storey) in the chair. There were also present Messrs. J. McRoberts, W. J. Busby, F. T. Smith, J.P., T. J. Eglinton, T. W. Gordon, S. Suffern, T. Sandford, D. C. Honeyman, J. Macauley, J. Guthrie, C. Abernethy, D. Taylor, S. Haydock, S. McDowell, E. J. Roberts, and W. J. Rankin. The four members of the committee appointed last year to the various boards of the Ministry of Labour were re-elected, with the addition of Mr. W. J. Rankin. It was decided to hold the annual excursion on June 17, the Silent Valley being chosen as the destination. A subcommittee was appointed to consider matters arising out of the Pharmacy and Poisons Bill, and to make arrangements in connection with classes.

Dublin

In Dublin District Court, recently, Rupert Costello de Montmorency was charged with having fraudulently converted to his own use a sum of 25s., with which he was entrusted by James Carroll for John Burke. Burke stated that he visited the accused for medical advice, and was told his fee would be 10s. 6d. He made out five prescriptions, which were to cost 5s. each, he said, at Hamilton & Long's. A representative of the firm said that the prescriptions were left with them by the defendant. The defendant said he was paid 35s. 6d., to include medicine made up from prescriptions. He was discharged.

Scottish News

Golfing Events

The annual golf match between Edinburgh and Glasgow chemists for the Rainy-Brown trophy was held at Gairfield on May 26 in delightful weather, Edinburgh winning by ten matches to eight. Details are as follows :—

Edinburgh		*Glasgow*	
G. F. Merson (3 and 2)	1	J. Bell	0
H. Skinner (2 and 1)	1	W. McDavid	0
J. D. Lunan (1 up)	1	B. Christie	0
Jas. Finlay (3 and 2)	1	A. Watt	0
D. Barrie	0	R. Jack ... (4 and 2)	1
A. McDougall	½	W. Thomson	½
Jas. Manson	½	D. G. McKenzie ...	½
J. B. Philp	0	J. Anderson (5 and 4)	1
J. McKenzie (5 and 4)	1	J. M. Hart	0
A. S. Brown	0	G. McLennan (3 and 2)	1
A. Henderson (2 and 1)	1	E. Blyth	0
W. Garrie (4 and 3)	1	W. Seivwright	0
W. S. Spence (3 and 2)	1	A. Scott	0
A. C. Aitken	0	J. S. Houliston (1 up)	1
A. F. Dawson	0	Dan McKenzie (3 and 2)	1
R. D. Douglas (3 and 1)	1	W. Wood Wilson ...	0
J. P. Gibb (5 and 3)	1	W. J. Moffatt	0
A. J. Clark	0	T. McMaster (6 and 4)	1
J. G. Sclater	0	J. Abbott (5 and 4)	1
A. R. Smith	0	G. McKenzie (5 and 4)	1

Mr. G. F. Merson captained the Edinburgh representatives and Mr. J. Bell those of Glasgow. In the afternoon friendly foursomes and four-ball matches were played, during which Mr. D. G. Mackenzie holed the fourth hole in one stroke, and paid the usual penalty. The results of the Rainy-Brown contests to date are :—Edinburgh, 5 wins; Glasgow, 4 wins.

The annual match for the Cartwright trophy between Dundee and Aberdeen pharmacist golfers was played at Montrose on May 27. There was not one absentee. Fates were kind, and the match took place in beautiful weather. The result was in doubt until the last couples came in, when it was found that Dundee were victors by seven matches to eight, details being as follows :—

Aberdeen		*Dundee*	
M. C. Ross	1	A. Y. Barrie	0
A. W. H. Marr	0	J. Robertson	1
J. Mc. Kay	0	C. Millburn	1
J. Forsyth	1	D. Allardyce	0
C. A. Michie	0	A. Cross	1
M. G. Duncan	1	J. Kelly	0
H. M. Dugan	1	C. Stephen	0
J. Farquhar	0	F. W. Bennet	1
J. W. Adam	0	J. S. White	1
A. C. Bonner	½	C. Duncan	½
J. Michie	0	J. Ferguson	1
W. G. Mitchell	1	J. C. Ferrier	0
P. Murray	0	J. Robertson	1
S. Anderson	0	Forbes Johnston ...	1
D. Anderson	1	J. Anderson	0
W. J. Hendry	½	A. Robertson	½
A. G. Beattie	1	J. Thomson	0
W. F. Hay	0	G. Fraser	1
Ian Fraser	1	A. Livie	0
J. Taylor	0	H. B. Robertson ...	1
M. K. Watt	0	J. M'Connachie	1

Mr. H. M. Dugan, captain of the Aberdeen team, asked Mr. T. Bain (T. & H. Smith, Ltd.) to hand over the trophy, which he did in a happy speech, congratulating the Dundee men and expressing astonishment that the Aberdonians had allowed anything to slip from their grasp. Mr. C. Stephen, the Dundee captain, accepted the trophy, and expressed the pleasure the match had given. A vote of thanks to Mr. Bain, to the Dundee men and to secretary Ferrier brought the day to a close.

Glasgow

The annual competition of the angling section of the Glasgow Pharmacy Club will be held on Loch Leven (Kinross), on June 23. The competition is open to all pharmacists, and intending participants should communicate with the secretary, Mr. J. J. Munro, chemist and druggist, 170 Nithsdale Road, Pollokshields, Glasgow, before June 15.

South African News

From "C. & D." Correspondents.

"The Chemist and Druggist" is supplied weekly to members of all the Chemists' Societies in South Africa.

The Union

FOOD AND DRUGS.—The convention of the Federated Chamber of Industries at Cape Town on May 6 adopted the following resolution :—

That the Government be requested to expedite the introduction of a comprehensive Pure Food and Drugs Bill which shall include articles other than food and drugs, whereby standards of purity or test shall be laid down in the interests of consumers.

That the Government be urged to take steps towards consolidating the several pre-Union Acts relating to the importation and sale of foods, drugs and disinfectants, and that in formulating a measure opportunity be given to all trades affected to give consideration thereto and evidence thereon.

Cape Province

PHARMACY BOARD EXAMINATION.—The half-yearly qualifying examination was held at Cape Town on May 12, 13, and 14. Of twelve candidates, only two passed, viz., Messrs. P. B. Preston, East London, and A. Meyer, Cape Town. The examiners were Messrs. J. Parry (chemistry), J. Main (pharmacy), A. Patterson (dispensing), J. H. Carter (botany), J. McJannet (materia medica), and Dr. W. Darley Hartley (prescription reading).

Natal

CHEMISTS' GRIEVANCES.—Speaking at a dinner at Durban, recently, in connection with the Pharmaceutical Congress, Mr. E. B. Dunkerton, President of the Natal Society, said that a quarter of a century ago the profession had to rely upon imported men, but to-day 36 per cent. of the registered chemists in the Union possessed the B.A. degree, from which it would be gathered that the conditions were better. He said that it was a great disappointment to the profession that the Society had been unable to impress upon successive Governments the necessity for a Consolidated Pharmacy Act for the Union. The profession saw nothing unreasonable in such a measure, and he appealed to the guests, who included the medical profession and representatives of industry and commerce, to assist chemists in their endeavour to secure recognition. Another grievance touched upon by Mr. Dunkerton was that qualified men were at present debarred from commissioned rank in the Medical Service of the Army.

CHEMISTS IN CONFERENCE.—The annual congress of the Associated Pharmaceutical Societies of the Union of South Africa commenced its sittings in the Durban Town Hall on Tuesday, April 21. Delegates in attendance represented Cape Town, Johannesburg, Bloemfontein, Pietermaritzburg, Kimberley, East London, Grahamstown, Pretoria and Port Elizabeth. Mr. P. J. Spruijt, of Pretoria, presided over the congress, in the absence of the chairman. Among the subjects on a lengthy agenda was the hardy legislative annual, the Medical, Dental and Pharmacy Bill, which has been before the Union Parliament for the past eight years. There was a long discussion on the subject of apprentices, the feeling being that at the present time there are more apprentices being trained than there would be openings for in later years. The congress has tried by some measure of regulation to place the position of apprentices on a better basis. Another subject productive of much discussion was that of direct trading in drugs by the Government, who are sending out into certain districts quantities of drugs at a very low price. A protest was voiced, not against the supply of quinine and life-saving drugs, but against others, such as arsenical sheep dips. This was felt to be injurious to pharmaceutical trading, as was also the direct importing by Government Departments of drugs afterwards supplied through Government organisations to hospitals throughout the country. The stocking of certain poisonous preparations by ordinary traders was also deprecated on the ground of public safety. Socially, the congress has been very successful, excellent arrangements for the delegates having been made by the Natal Society.

French News

From the "C. & D." Paris Correspondent.

DR. AUGUSTIN CABANÈS, well known for his writings on the history of medicine, and who has just been made Chevalier of the Legion of Honour, was a hospital pharmacist in his younger days.

PHYSIOLOGICAL STANDARDISATION.—M. Radais, Dean of the Paris Faculty of Pharmacy, wishes to found a laboratory for carrying out physiological tests of medicaments, but no building nor funds are available. There is a possibility that certain manufacturers of pharmaceutical products may lend the financial aid necessary to realise this project.

ALCOHOL PRICES.—An order dated May 16 establishes new prices for alcohol supplied for manufacturing purposes. The following prices are for 100 litres pure ethyl-alcohol: 600 francs for alcohol used for the preparation of vermouth, liqueurs, etc.; and 400 francs for the manufacture of vinegar; 350 francs for alcohol for the manufacture of perfumes, chemical and pharmaceutical products, etc.; 300 francs for alcohol destined for export. Alcohol used in the manufacture of liqueurs, perfumes, chemical and pharmaceutical products, vinegars, etc., for export is supplied at 250 francs per 100 litres. The price of denaturated alcohol is fixed at 220 francs per 100 litres.

CONGRESS OF MILITARY MEDICINE AND PHARMACY.—The President of the Republic, Marshal Foch and many officers were present at the inaugural meeting of the third International Congress of Military Medicine and Pharmacy, held in the amphitheatre of the Sorbonne recently. Some 2,500 delegates were present. Inspector Vincent, president of the Congress, paid a tribute to the civil and military doctors and pharmacists who, during the war, gloriously shed their blood in defence of liberty and right; and Surgeon-General della Valle replied in the name of the foreign delegates. M. Chaumet, Minister of Commerce, formally opened the Exhibition of Arts and Sciences applied to Medicine, Surgery, Pharmacy, and Hygiene, held in tents in the gardens of the Val-de-Grâce Military Hospital. Among the papers read was one by Sir A. E. Wright on "Lessons of the Late War."

A GLIMPSE OF THE EXHIBITION.—Ethelred the Unready is, or should be, the patron saint of all exhibitions, and the Paris Exhibition of Decorative Arts is no exception to the rule. However, as there is plenty to see, charming riverside avenues lined with attractive little buildings and innumerable cafés and restaurants—is not cooking one of the Fine Arts in France?—no one grumbles. The British Pavilion is really ready, and if its general architecture rather suffers by comparison with the really handsome Italian building next door, the mediæval ship on its steeple is a good landmark and an appropriate emblem for a great maritime nation. The interior is perhaps better than the exterior; furniture, ceramics and church decoration predominate. The attendants, with their cockaded gold-banded "toppers" and blue coats with red collars, are as eminently national as the familiar commissionaires on duty at the riverside tea-room opposite. The ground floor of the Grand Palais is principally occupied by packing cases and workmen, though the British sections (ceramics and book trade) are completed. Here I came across the French Perfumery Section, of which only a few exhibits are not yet terminated. Each firm has been allotted a separate corner or recess, to be decorated according to the individual taste and fancy of the occupant. The result is an instructive comparison in the art of shop-fitting and window-dressing in miniature. Gellé Frères' cosy corner with frescoed walls and a few pieces of furniture which heighten the effect of one small wall case of goods, D'Orsay's show of mirrors and gilding, Houbigant's studiously simple symphony of light hues, Piver's arrangement in green and gold, Guerlain's semi-oriental black and gold scheme, and others, all have their admirers. The section being close to that devoted to feminine attire, will probably be well visited by ladies.

Colonial and Foreign News

CERTIFICATES OF ORIGIN FOR SYRIA.—The French Government has ordered that no consular charges shall be levied for the legalisation of certificates of origin and invoices for foreign goods exported to Syria and the Lebanon.

FRENCH GUIANA TAXES.—To provide revenue for the colony, a tax of 2 per cent. will be levied on all exports and of 1 per cent. on all goods imported into French Guiana, chargeable on the value of the articles.

PRESCRIBER'S FATAL ERROR.—A Budapest doctor prescribed in error a dose of 0.01 instead of 0.001 gram of colchicine, which was dispensed by the pharmacist, with the result that the patient died. Doctor and pharmacist have now been condemned each to a term of three months' imprisonment for culpable manslaughter.

INSECTICIDES FOR YUGO-SLAVIA.—The importation into Yugo-Slavia of poisonous preparations for the destruction of insect pests is now restricted to persons holding a licence issued by the Ministry of Health, and consignments of such goods are admitted only through a custom house provided with a chemical laboratory. No licence for the importation, sale or use of these preparations will be granted to foreigners.

SPECIALITIES IN SPAIN.—A Spanish Royal Decree enacts that the General Direction of Health, the body entrusted with the registration of pharmaceutical specialities prior to their importation or sale in Spain shall submit to the National Economic Council a complete list of all foreign preparations of this class which have already been registered. The Council is in future to be informed of all decisions on which the registration or refusal to grant registration, of foreign pharmaceutical specialities are based.

LITHUANIAN TRADE MARKS.—With the introduction of the new trade mark law the former Russian regulations hitherto in force in Lithuania have been abolished. Foreign applicants for a trade mark are required to prove that registration has already been effected in their own country; a search will be made to establish whether a similar design has already been registered for the same goods, and also whether the design to be registered is actually in use. Protection is granted for a period of one to ten years. The registration fees are not laid down in the law, and will be fixed when the regulations are issued.

CIRCUMVENTING PROTECTIVE TARIFF CHARGES.—In countries in which specific duties are levied on the total weight of the goods, i.e., contents inclusive of the actual container, the duty paid on the latter often considerably exceeds the amount actually chargeable on the article itself, and it follows that importers seek to reduce as far as possible this handicap. Thus, Hungarian manufacturers of essential oils report that foreign firms are circumventing the existing high tariff charges by making use of aluminium tins, instead of glass bottles, for putting up products intended for importation into Hungary. Further, it has been found that concentrated extracts and terpeneless oils are being imported in increasing amounts, with the object of circumventing the high duties on essential oils.

SYRIAN CUSTOMS REGULATIONS.—Customs dues on goods entering Syria and the Lebanon are levied on the amount stated in the original invoices, to which cost of freight to destination has to be added. Only those invoices will be accepted which bear the following declaration by the manufacturer or seller:—We declare that this is the genuine and only invoice issued for the therein named goods, excluding any payment on account, and that the goods are of (name of country to be inserted) origin. This declaration must be legalised by a French consul. A certificate of origin is not required for post parcels under 1,000 francs, and for ordinary consignments under 2,000 francs in value. All parcels included on bills of lading bearing the same date despatched by the consignee to the same consignee are regarded as forming a single consignment.

American Notes

By "The Man from London."

A DIAGNOSIS.—Dean Wortley F. Rudd, Medical College of Virginia, says there are too many drug stores in America, and permanent improvement in pharmacy will only come about by making as few potential proprietors as possible. The average number of persons served by each drug store is 2,236.

PHARMACY IN THE STATES.—According to information compiled by the Commonwealth Study of Pharmaceutical Education, American pharmacists are doing little manufacturing and no chemical assaying; few retail drug stores are equipped to do bacteriological or clinical work, and retail druggists are not taking the interest in organisation work that they should.

SMUGGLED MORPHINE SEIZED.—Mysterious smuggling of narcotics in Atlanta prison, Georgia, has been going on for some time, and quite recently Warden Snook seized $5,000 worth of morphine before it could be delivered to the Federal Prison. This is not the first time smuggled narcotics have been stopped from entering this prison, but the seizure is said to be the largest ever made before.

SYNTHETIC ALCOHOL.—Chemical manufacturers of the United States have started an investigation into the synthetic manufacture of alcohol, indicating a complete revolution in production processes, Secretary Hoover announced recently. Hoover stated that the $100,000,000 alcohol industry of the United States has practically been put out of business by the discovery of a cheaper process of production in Germany.

OHIO DRUGGISTS' TELEPHONE COMPLAINT.—Ohio druggists complain it is impossible for them to determine how much money their telephone booths collect under the present system adopted by the local telephone company, and an injunction is being sought that will force the telephone company to make a proper accounting of these collections. The company has been in the habit of charging the druggist $36 for the installation of a telephone booth, and the druggists hold that this charge should not be made. They do not seek a profit, but merely wish to be paid the actual costs of the telephone service.

PHYSICIANS' LIQUOR PRESCRIPTIONS.—In the hearing of the injunction suit brought by physicians in Jefferson City, Mo., to have the court prohibit newspapers from publishing the list of whisky prescriptions which druggists had filed, Judge Westhues ruled out some sensational testimony which threatened to be brought into the case. The point at issue is to determine if there is a statute which requires druggists to file their prescription lists with the county clerk. In New York City it is publicly charged by Palmer Canfield, Federal Prohibition Director for the State of New York, that the retail drug trade of the city are in the possession of 5,000,000 counterfeit liquor prescriptions.

VITAMIN THAT PROMOTES FERTILITY.—Purified starch, lettuce and other green vegetables, as well as milk containing casein, contain a vitamin which, it is stated, promotes fertility on sterile animals. Dr. H. Evans, professor of anatomy of the University of California, in a recent address, in describing this vitamin, claims that its elimination from the food of cancerous patients may cure them of the malignant growth. Dr. Evans claims to have discovered this principle, which he has named Vitamin E. He told of experiments with a colony of rats, the females of which he rendered sterile through feeding them with food lacking in this vitamin. These female rats he made fertile again by feeding with an oil of wheat rich in Vitamin E. How a patient should be treated that has cancer is not clearly stated in reports of Dr. Evans's address.

IMPORT DUTY ON METHANOL.—American wood alcohol producers, scared by the increasing amounts of German synthetic methanol arriving here, have asked for an increase of 50 per cent. in the 12c. per gallon duty upon methanol imported into this country. German synthetic methanol is reported to be selling in Germany at 50c., and in this country at 39c., and since there is a 12c. duty and some 16c. to 18c. freight and other costs, with a selling commission, it is estimated that the price here, if the Germans are to avoid exclusion under the dumping law, should allow for at least 30c. importation costs. The annual production of methanol in this country is said to be 5,000,000 gallons; and it is stated that even if the Germans force a 10c. a gallon cut in pure methanol, this will only mean a loss of $1.50, leaving a net gross sale of $15.50 upon each cord of wood operated on.

SUBSTITUTION QUERIES.—Manufacturers of ready-made package medicines are aware that a registered trade-mark, or a common law trade-mark, does not prevent other goods being substituted for their articles. "Package Remedies" states: It is a common practice for dealers to tell customers that while they are out of stock of a special brand, exclaim, "but here is something as good, or even better and cheaper." The immense amount of advertising given certain specialties has been responsible for a lot of inferior imitations and much substitution. A dealer who knowingly substitutes somebody else's brand for the original article is not only not playing the game fair, but is doing an injustice to the dealer that has advertised his brand for sale in order to help that dealer sell the goods. If deliberate substitution amounts to unfair competition, existing laws afford ample redress, but it is not clear whether substitution is, in the eye of the law, "unfair competition." To protect the legitimate manufacturer legislation is required, but first it is necessary to find out if there are any laws in regard to such competition. Secondly, how many manufacturers would favour such a law that would protect against substitution, or at least make substitution more difficult?

FAMOUS MOLASSES CASE SETTLED.—The U.S. Industrial Alcohol Company has settled out of court the 125 law suits for damages arising from the death and destruction caused by the collapse of a huge molasses tank in 1919. A despatch from Boston says that the exact amounts of the settlements were not made public, but it is estimated that the company agreed to pay between $500,000 and $1,000,000 in damages. The accident was one of the most terrible that ever happened in the city. While the official capacity of the big tank is not given, one estimate was that 2,500,000 gallons of molasses were stored in it when, without any warning, the huge reservoir gave way and spread its contents all over the surrounding district, causing enormous damage. Twenty-one persons lost their lives in this disaster, being either drowned under several feet of the heavy crude material for making alcohol, or crushed to death by buildings falling on them. More than 3,000 witnesses were heard in the different suits against the company, and nearly 40,000 pages of testimony taken. It was estimated that the defendant company paid out $50,000 in expert witness fees.

Retail Pharmacists' Union

A MEETING of the Executive Committee was held in London recently, Mr. John Hague in the chair. There were present Messrs. Clubb, Forster, French, Gilleghan, Hardy, Jackson, Keall, Keith, Marshall, Martin, Melhuish, Phillips, Rowsell, Scholes, Smalley, Tranmer, and Young.

The matters dealt with included the question of the payments made to pharmacists when giving evidence at inquests. This was deferred. It was decided that it was inadvisable to keep a register of approved managers and assistants. An invitation was received from the Federation of Medical and Allied Societies, asking the R.P.U. to appoint representatives on a subcommittee to consider the question of legislation to amend the law governing proprietary medicines The secretary reported that the statement of evidence had been submitted to the Royal Commission on National Health Insurance, and that it was expected oral evidence would be given early in June. Reports received regarding the adoption of the dispensing testing scheme indicate that it is receiving general support, but that here and there Insurance Committees are objecting to concentration of the control in the hands of the Pharmaceutical Service Subcommittee and the method of division of the sample.

Chinese News

NEW SOAP FACTORY FOR TIENTSIN.—Certain capitalists in Tientsin are organising a soap factory to be known as the Chiu Ta Soap Manufacturing Co., located in the French concession, Tientsin.

CHINESE COTTONSEED OIL.—When exported from China cottonseed oil is sold under the grades of Chinese triple refined edible, Chinese ordinary refined by lime, Chinese soda superior refined, Chinese semi-refined, and Chinese crude. An allowance of 1 per cent. variation is made in favour of the seller.

NEW FIRMS IN SHANGHAI.—The following firms have recently opened offices in Shanghai :—C. F. Rehnborg, 29 Szechwan Road (American), foodstuffs, drugs, cosmetics: Chesebrough Manufacturing Co., 2 Canton Road (American), China sales office; and the Myrrohl Chemical Co., 73 Szechwan Road (American), sales office.

ORANGE CAKES IN FOOCHOW.—A portion of Foochow's annual orange crop is made into cakes and exported to other provinces in a dried state, chiefly for medicinal purposes. There are 15 orange cake manufacturers in Foochow. Oranges of inferior quality are generally used to make these cakes. The process of manufacture is simple, fresh oranges being pressed into cake form, coated with oil and dried.

NANKING DRUG STORE WAGES.—A senior salesman of a drug store in Nanking receives a monthly wage of 300 coppers, a junior 100 coppers, and an apprentice who has not yet finished his course between 20 and 50 coppers, free board and lodging being supplied in each case. The salesmen, both seniors and juniors, are entitled to an extra bonus up to the same amount as their yearly wages in case a profit is made. The actual amount they receive is therefore twice their nominal wages.

TARIFF ON CHINESE OILS IN U.S.A.—Three members of the United States Tariff Commission have been investigating costs of producing groundnuts, cotton seed and bean oils. The object is to discover an equitable tariff rate which would allow them, and other foreign oils, to compete with American products in the United States. The members of the Commission in China are Dr. F. R. Rutter, Mr. Eben M. Whitcomb, and Mr. C. H. Penning. They have visited Antung, Dairen, Hankow, Shanghai, Tientsin, Tsingtau and Tsinanfu.

SHANGHAI DRUG STORES FORM ASSOCIATION.—Fourteen wholesale drug stores in Shanghai have recently organised the Shou Yi Hwei, an association to assist members and standardise business practices. The association is working with the Yu I Tang, drug merchants' guild at Mei Lu Chiao, Great East Gate, Shanghai, an organisation of all the drug stores in Shanghai. The association has already agreed that all accounts should be paid at the end of the year and that no business should be done from January 28 to February 13, embracing the Chinese New Year holidays.

CHINA'S EXPORT TRADE.—Japan recaptured first position in China's export trade in 1923, taking it from Hongkong, which the year before received the largest share of shipments from China. The figures are contained in a report recently issued by the Chinese Maritime Customs. As Hongkong's trade has been steadily rising for many years, Japan's, while for many years leading that of other countries, has seen wide fluctuations, and it may be that Hongkong will in the next few years again take the lead. Japan's purchases last year were valued by the Customs at Hk. Tls. 1,980.517,346 (1 Hk. Tl. = 3s. 5¾d. in 1923). Hongkong was second, the United States third, Great Britain fourth, and France fifth.

APPRENTICESHIP TO DRUGGISTS.—An apprentice to a druggist in a Chinese drug store in Nanking is required to serve his master and learn the trade under a contract for three years, during which time the guarantor is responsible for any wrongdoing or damage done by the apprentice. The apprentice pays a few dollars for his entrance fee and $40 as a part of the boarding expenses during his apprenticeship. He is given instructions in writing, arithmetic, as well as pharmacology. After one year's service he is given an allowance of 20 to 30 coppers a month, and during the second and the third year, up to 50 coppers a month. After the term of three years he may leave his master and establish himself as a full-fledged druggist.

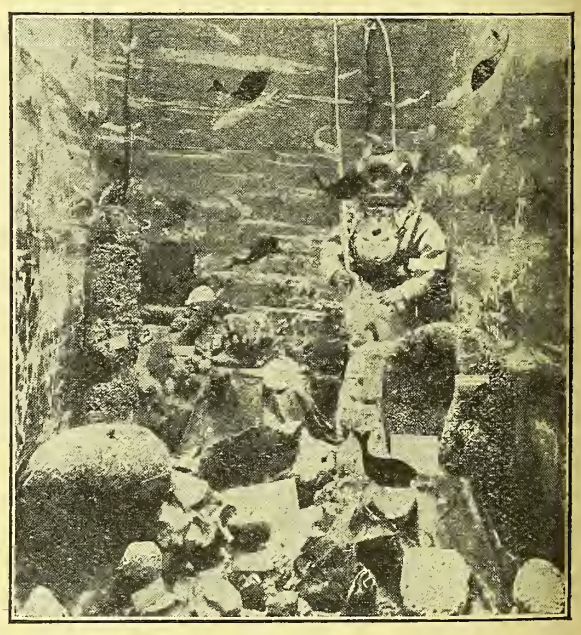
CHINESE BITTER-WORT.—The root of bitter-wort, *Coptis japonica*, is much used in China as a medicine and sometimes as a yellow dyestuff. It is a perennial herb, growing better in a wild state, though it can be cultivated. It is adapted to growth on plateaus or in hilly districts and in moist soil, but must be sheltered from direct, strong sunshine. The root is useful only after the third year of growth. Better crops are yielded in the fourth or the fifth year. February and August are the harvest months. The extract of the root contains 9 per cent. berberine. *Coptis japonica* is produced in Szechwan, Yunnan, Kwangsi and Chekiang provinces in the South, and Shensi, Kansu, Shansi, and Chihli provinces in the North, Szechwan being the centre of production. The centres of distribution for consumption at home are Ankwo, Chihli province, and Changteh, Hunan province. The export centres are Chungking, Tientsin, Shanghai, and Canton.

Chemists' Windows

Photographs of windows sent to the Editor for reproduction should be accompanied by a note on how the displays were arranged.

Sponge Window

The accompanying photograph depicts a display of sponges recently arranged by the drug department of James Shoolbred & Co., Ltd., London, W.1. The back is canvas, on which is painted a representation of the bed of the sea. In front is a curtain of green gauze with "fish" stuck on. This gives the impression of looking into water. On the bottom are specimens of sponges (lent by H. Marks & Sons, Ltd.), as they grow



on the rocks. On the extreme right is a huge "velvet" sponge from Honduras; on left a Cuban "sheepwool." The specimen on the left is believed to be the tallest sponge ever obtained, being 5 ft. high, while in front of the diver is the largest sponge at present known. Expanded, it is about 12 ft. in circumference and 2 ft. thick; when brought to the surface it weighed over 1 cwt. By an arrangement of a concealed fan and strips of fantastically shaped weed-coloured material, the effect of seaweed floating among the rocks was obtained.

Legal Reports

Motion for Injunction Adjourned.—In the Chancery Division of the High Court, London, on May 28, Mr. Justice Russell heard a motion arising out of an action by F. C. Calvert & Co., chemical manufacturers, Manchester, against Mr. Charles Latimer Calvert, also of Manchester. Mr. G. B. Hurst, K.C., moved for an injunction to restrain the defendant from passing off the plaintiffs' lysol as of his manufacture. The plaintiffs had been in business since 1859. Mr. Howard Wright, for the defendant, asked for an adjournment, as his client had been carrying on business close to the plaintiffs for two years. His lordship said that the matter must stand over till next sittings.

Dispute over Agreements.—In the Chancery Division of the High Court, London, on May 28, Mr. Justice Russell delivered judgment in the action brought against Lever Brothers, Ltd., Port Sunlight, by Mr. Axel Wallenberg, Swedish Minister to the United States, alleging breach of an agreement by which the defendants contracted to buy from the plaintiff a large block of shares (*C. & D.*, May 2, p. 635). A further action was simultaneously brought against Messrs. Lever Brothers by the Malare Bank, Stockholm, who claimed on a guarantee for an indebtedness by the Barnangens Co. His lordship said that the contract in the first case had to be construed, and the rights were to be governed, by Swedish law. Lever Brothers contended that the plaintiff did not give a valid acceptance of the offer from them. His lordship did not agree with that. He had come to the conclusion that the contract could not be enforced by a court of law because it sought to bring about a state of things prohibited by statute—namely, the giving of the control of Barnangens to Lever Brothers. The defence, therefore, of illegality succeeded. The defence, however, of misrepresentation failed, and ought not to have been put forward. He dismissed the action by Mr. Wallenberg and ordered him to pay the costs, except in so far as these had been increased by the defence of misrepresentation. The plaintiff's costs on that issue would be paid by Lever Brothers. With regard to the bank's action, his lordship held that there was no contractual obligation by Lever Brothers to acquire the Barnangen shares from Mr. Wallenberg. The defence that the guarantee was conditional succeeded, and the action would be dismissed with costs.

Chemical Trade Action.—A pending action by the Commercial Solvents Corporation against Synthetic Products Co., Ltd., for alleged infringement of the plaintiffs' patented process for the manufacture of acetone and butyl alcohol was mentioned to Mr. Justice Romer in the Chancery Division of the High Court, London, on May 28, on an application by the defendants that the case should not come on for hearing until November. Mr. Whitehead, K.C., who made the application, said that the plaintiffs' specification set out a process by which bacilli cultures could be developed. The defendants alleged that the process as described was insufficient, and they retained a most eminent bacteriologist to try to carry it out. He had been engaged on it since May, last year; but, unfortunately, a fortnight ago he took his own life, and it was therefore necessary that his work should be repeated. Two other distinguished bacteriologists were immediately engaged, but it would take about six months for them to make their experiments. His lordship asked why six months was required. Mr. Whitehead said that the time mentioned in the plaintiffs' specification was four or five days for each culture, and 100 cultures were necessary to obtain the suitable bacteria. On the verdict of the coroner, the gentleman who was working for the defendants was temporarily insane when he committed suicide, and in those circumstances it would probably be said that the notes he had taken of his experiments were worthless. Mr. Trevor Watson, for the plaintiffs, opposed the application. He said that the action was started so long ago as February 1924. The allegation in the defence was that the invention was stolen by the plaintiffs from the defendants' predecessors in title, and another allegation was that the defendants were using this very process before the date of the patent. The case the defendants now sought to make was that they did not know whether this process would work or not, and they put a most distinguished gentleman to work to find if there was anything amiss with the plaintiffs' specification. They thought that gentleman was successful. He died, and now the defendants wanted experiments to be continued so that they could say whether the plaintiffs' process as described in their specification could be worked or not. In those circumstances, counsel said, it was monstrous that there should be such a delay to enable the defendants to set up this new defence. The defendants had been using this process for a long time, and were now, and the proposal was that they should be allowed to continue to do so until November—infringing the plaintiffs' rights all that time. His lordship said it was impossible for him to say at that stage whether further experiments were necessary or not; but if, when the case came on, he found that the defendants were prejudiced by the death of the gentleman referred to, he would grant an adjournment.

Bankruptcy Reports

Re William Craven Milner, 79 Lidget Lane, Thurnscoe East, Rotherham, chemist and druggist.—The first meeting of creditors was held on May 14 at Sheffield. According to the statement of affairs there was a deficiency of £302 15s. The debtor attributed his failure to lack of capital, difficulties in getting stock, and alterations to premises. The case was left with the official receiver.

Re John Hampden Hughes, Red House, Llandilo, Carmarthenshire, chemist and druggist and grocer.—The first meeting of creditors was held on May 20 at Carmarthen. The statement of affairs showed gross liabilities £3,152 17s. 10d., of which £1,549 19s. 10d. was expected to rank, against net assets £309 2s. 10d. The debtor attributed his failure to lack of capital, loss of good customers and depression. He stated that the business has been carried on by his family since 1818. On the death of his father in 1905 he managed the business for his mother until 1910. His mother then gave him the stock, valued at about £200, and he obtained a loan from his bankers to enable him to purchase the premises. He supervised the business with the exception of five years when he was in the Army. The public examination was held at Carmarthen on May 26. Replying to the official receiver, the debtor admitted that he had been insolvent for two or three years, but said it was only during the last twelve months that he had become seriously aware of his insolvency. The examination was closed

Re Henry Armstrong Brown, Aylesbury Road, Wendover, chemist and druggist.—The public examination was opened at Aylesbury recently. The debtor disclosed liabilities expected to rank £1,402 16s. 11d., and assets £522 10s. 2d. He stated that prior to commencing business in Wendover in April 1924 he was manager of a chemist's shop in the same village. Thirty years ago he had a business of his own in Sunderland, where his creditors were ultimately paid in full, after the business had been sold by the trustee. At Wendover he started business with a capital of £500, which he borrowed. On March 27 he executed a deed of assignment, and there was a meeting of creditors. (*C. & D.*, April 4, p. 490.) Of the £500 capital, half of it went for fixtures, fittings, and utensils, and the balance went for stock. There was not sufficient stock or working capital, however. He expected to borrow more. He was not able to buy on the best terms, and that, with the fact that a large proportion of the sales were proprietary articles, contributed to his present position. He did not know that the gross profit was so low until he saw the statement prepared by the accountants. The examination was adjourned.

Re Matthew McDonald, Donegall Street, Belfast, pharmaceutical chemist.—In the Bankruptcy Division of the Northern Irish High Court, Belfast, on May 14, the affairs of this debtor came up for examination. Mr. E. Warnock, for the assignees, examined Mr. McDonald, who

stated he was adjudicated on his own petition, but had not called any meeting of his creditors. About six months ago he first realised he was insolvent. He continued to trade with the help of friends. In his schedule he had given details of cash lent to him by twenty-two people—a total of £1,090. He expected to have received £500 as compensation for the loss of his wine licence. Mr. Warnock: As a matter of fact, long before the award was given you had mortgaged it to someone else? It was mortgaged about this time last year. The witness said he had received £233 from the Compensation Tribunal in January. Mr. Warnock mentioned that the accountants had estimated the assets available for realisation at £416, and the total liabilities at £3,491. Counsel also questioned the witness about an assistant named Miss Gallagher, to whom he was indebted to the extent of £240. The witness said that since business became bad he had only paid her small sums, which the girl had set out in a pass-book. These were not entered in his books. Mr. Justice Wilson: It is a scandalous thing for you to carry on business and not keep any books at all showing the money you got and what money you spent in relation to the business. The witness replied that he kept an order book, a day book, and a sales ledger. His Lordship: You will have to make up correctly what the state of the business is and give all information and documents you have to the official assignee, or I will have to deal with you.—The following are among the creditors:—W. J. Bush & Co., Ltd., £53; Beatson, Clark & Co., Ltd., £13 6s.; Chemists' Association, Ltd., £17 15s.; Chemists' Sundries, Ltd., £11 15s.; Cuxson, Gerrard & Co., Ltd., £17 19s.; Direct Medico Supply Co., £10; Evans Sons Lescher & Webb, Ltd., £26 15s.; Thomas Guest & Co., Ltd., £23 14s.; Samuel Gibson, £20 5s.; W. J. Hardy, £25; T. McMullan & Co., £137 7s., Pharmacists' Supply Co., £38 5s.; Shaw & Jamieson, £55; Wigglesworth, Ltd., £10.

London Chamber of Commerce

THE forty-third annual report of the Council of the London Chamber of Commerce was submitted and adopted at the annual meeting held at Skinner's Hall recently. The portion of the annual report devoted to the work of the Owners of Proprietary Articles states that its section reappointed the Special Committee to watch the interests of the members in regard to the Patent Medicines Bill which was introduced into the House of Lords in 1920. It will be remembered that as a result of conferences between officials at the Ministry of Health and the Joint Committee (consisting of the Special Committee of the Section and of the Committee of the Association of Manufacturers of British Proprietaries) the Bill was amended in many important particulars (formula disclosure being entirely deleted), and finally agreed to by the Ministry and the Committee. Owing to pressure of other public business no progress has been made with the Bill. It was reported that new applicants for registration, in Canada, under the Proprietary Medicines Act, were being required—as a condition precedent to registration—to deposit or disclose the formula of their proprietaries. It was explained that in the opinion of Canadian and English lawyers the Act did not justify such a demand, and that the situation should be carefully watched and action should be taken should it seem desirable. The West Australian Health Act Regulations requiring formula disclosure on the labels of all proprietary medicines imported into Western Australia were vigorously opposed by the Section, which was able to secure the assistance of Mr. W. Garner, of Perth, W.A. Eventually a vote was taken in the W.A. Parliament on the regulations and they were rescinded. As regards the Victorian Health Act, regulations requiring formula disclosure on the label were gazetted in May 1924, and as a consequence of representations, the regulations were held up for six months. Strong protests have since been made to the Food Standards Committee in Melbourne and to the Minister of Health. The latest information is that the regulations will not come into effect until January 1, 1926.

Stock Exchange Prices

£1 Shares unless otherwise stated	Dec. 30, 1924		Apr. 30, 1925		May 29, 1925	
	s.	d.	s.	d.	s.	d.
Allen & Hanburys, 7% Prefd. Ord.	21	0	21	0	21	0
Amalg. Dental Co. 8% Prefd. Ord.	—		20	0	19	9
,, ,, Deferred 5s. ..	—		5	6	5	6
Apollinaris and Johannis, Ord. £1..	8	9	8	9	8	9
Ayrton, Saunders & Co., 7½% Pref.	15	3	15	3	14	9
Beecham Estates & Pills, 8% cum. Pref.	21	6	20	9	21	0
Benger's Food, Ord...	36	6	36	9	35	9
Boake (A.), Roberts & Co., 5% Pref. £10	£6½		£6½		£6¾	
Boots Pure Drug, Ord.	123	9	137	6	133	9
Boots Pure Drug, 7% "A" Prefd. Ord.	23	6	24	0	24	0
Boots Cash Chemists (Southern), 6% "A" Pref.	21	6	21	9	21	9
Borax Consold., Defd. Ord. ..	43	0	38	0	38	6
Bovril, 6% Pref.	22	6	21	6	21	3
,, Ord.	24	0	24	3	23	6
,, Defd...	46	9	44	0	43	3
British Celanese, Ord.	8	0	8	9	8	3
,, ,, 7½% Pref. ..	11	0	13	9	13	0
British Cyanides, Ord.	9	3	6	3	6	3
British Dyestuffs Corpn., 7% Pref.	12	9	11	0	11	9
,, ,, ,, Prefd. Ord.	6	6	5	0	5	6
British Glues and Chemicals, Ord.	4	0	3	0	3	0
,, ,, ,, 8% Pref.	12	3	13	6	14	3
British Oil and Cake Mills, Ord. ..	24	6	23	0	28	3
British Oxygen, Ord.	35	6	34	3	32	3
British Photographic Industries, 6% Cum. Pref.	5	0	8	9	8	6
Brunner Mond, Ord.	38	9	42	0	39	3
,, ,, 7½% Pref... ..	28	6	28	0	28	6
Bush (W. J.) & Co., 5% Pref. £5	67	0	67	6	65	0
Cadbury Bros., 6% Pref.	24	0	24	6	24	3
Callard, Stewart & Watt, Ord. ..	31	3	32	6	32	6
,, ,, ,, 5½% Pref.	17	6	17	6	17	0
Crosfield (Joseph) & Sons, 6½% Pref.	20	3	20	9	20	6
Dubarry Perfumery, Ord., 1s. ..	4	6	6	6	6	3
,, ,, 7½% Pref. ..	19	3	19	3	19	0
Eastman Kodak Com. (no Nom. Value)	$118½		$114		$113	
Evans Sons Lescher & Webb, Ord.	5	0	5	6	5	3
,, ,, ,, 5% Pref.	7	9	7	9	7	9
Field (J. C. & J.), Ord.	16	3	16	3	16	3
,, ,, 7% Pref. ..	20	0	20	9	21	3
Gossage (William), 6½% Pref. ..	19	9	21	0	21	0
Grout & Co., Ord.	50	6	52	6	55	0
Heppells, 7% cum. partic. Pref. ..	17	6	21	0	21	9
Idris & Co., "A" Ord.	17	6	16	3	17	0
Ilford, Ltd., Ord.	24	0	27	6	26	3
,, 6% Pref.	19	3	19	6	19	6
Intern. Sponge Importers, 6% Pref.	10	6	12	6	11	3
Kent (G. B.) & Sons, 5½% Pref. ..	13	0	13	3	13	3
Knight (John), 25% Prefd. Ord. ..	63	0	62	0	60	0
Lever Bros., Ltd., 7% Pref. ..	21	6	21	6	21	6
,, ,, 8% Pref. ..	21	3	21	1½	21	0
,, ,, 20% Prefd. Ord. 5s.	11	0	11	0	11	0
Liebig's Ext. of Meat, Ord. £5 ..	£15½		£15¼		£15⅜	
Mellin's Food, 6% Pref.	12	0	12	6	12	0
Mond Nickel Co., Ord.	44	6	42	3	40	6
,, ,, 7% Cum. Pref. ..	25	6	24	9	25	3
Nathan (Joseph) & Co., 7% Pref.	15	0	14	0	14	3
,, ,, ,, 8% Prefd Ord.	7	6	7	6	7	3
National Drug and Chem. Co. of Canada, 6% Pref...	15	0	11	3	9	0
New Transvaal Chemical Co. 6% Pref.	17	6	17	6	17	9
,, ,, ,, 8% Pref.	21	0	20	9	20	6
Salt Union, Ord.	28	6	28	0	27	6
,, Pref.	29	6	27	6	27	0
"Sanitas," The, Co., 9% Pref. ..	25	0	25	0	24	0
Schweppes, Ltd., Ord.	21	0	22	9	21	6
,, ,, Defd.	29	3	28	0	30	3
Smith (Stephen) & Co., 6% Pref. ..	29	6	31	3	31	3
Southall Bros. & Barclay, Ord. ..	57	0	53	0	51	6
,, ,, 5% Pref.	19	0	19	0	19	0
Spratt's Patent, Ord.	40	0	41	0	42	6
Stevenson & Howell, 6½% Cum. Pref.	20	0	20	0	20	0
United Alkali, Ord.	39	0	42	0	37	6
United Glass Bottle Man., 7% Mt. Deb. Stk., £100	£102		£104½		£105½	
Venesta, Ltd., Ord.	26	6	23	9	23	9
,, 7% Pref.	20	0	20	0	19	4½
Veno Drug Co., 8% Pref.	—		20	0	20	0
Virol, Ltd., Ord.	82	6	90	0	90	0
,, 7% Pref.	23	0	23	0	23	3
White (A. J.), Ltd., Ord. 10s. ..	7	0	6	3	7	6
White (R.) & Sons, 6% Pref. ..	16	9	17	6	17	0
,, ,, Prefd. Ord. 10s.	6	6	7	0	6	9
Wright, Layman & Umney, 6% Pref.	19	6	19	9	19	9

New Companies
and Company News

P.C. means Private Company and R.O. Registered Office.

LLOYDS (CHEMISTS), LTD. (P.C.).—Capital £1,000. Objects: To carry on the business of chemists, druggists, drysalters, oil and colour men, etc. R.O., 109 Queen Street, Cardiff.

A. I. GORE, LTD. (P.C.).—Capital £1,000. Objects: To carry on the business of chemists, druggists, pharmacists, drysalters, oil and colour men, etc. The directors are: Mrs. A. I. Gore, J. M. Cobbledick and A. J. Holloway. R.O.: Llanishen Pharmacy, Fidlas Road, Llanishen, Glam.

BRITISH ANHYDROUS AMMONIA CO., LTD. (P.C.).—Capital £1,000. Objects: To carry on the business of chemical manufacturers and merchants, chemists, druggists, drysalters, oil and colour men, etc. The directors are: J. F. Chiverall and M. C. Brittain. R.O.: Salisbury House, London Wall, London, E.C.

E. DEVERILL, LTD. (P.C.).—Capital £5,000. Objects: To carry on the business of oil and colour men, lead and glass merchants, varnish and paint makers, drysalters, tea dealers, grocers, provision dealers, wine, spirit and beer merchants, chemists and dealers in patent medicines. The directors are: C. T. Maltby and R. Maltby. R.O.: 23 Little Earl Street, London, W.C.2.

MACE & CO. LTD. (P.C.).—Capital £500. Objects: To carry on the business of manufacturers, importers and exporters of and dealers in toilet preparations of all kinds, essential oils, and aromatic chemicals and fruit and flower essences, etc. The directors are: W. D. J. Smith, 58, Hilldrop Crescent, London, N.7, and L. W. Gomm, 54 Ferntower Road, Highbury, London, N.5.

F. O. SYKES, LTD. (P.C.).—Capital £400. Objects: To carry on the business of wholesale and retail chemists and druggists, manufacturers, importers and exporters, merchants, dispensers, salesmen of photographic requirements, soaps, drugs and other pharmaceutical, medical, chemical and other preparations or requirements, wine and spirit merchants, etc. The directors are: A. F. Sykes and F. O. Sykes. R.O.: Fountain Place, Poynton, Cheshire.

IONA LABORATORIES, LTD. (P.C.).—Capital £4,000. Objects: To acquire the business of manufacturers of toilet requisites carried on by H. Johnston, W. C. A. Mate, F. W. Appleton, and A. C. Bowdon, as "Johnston & Ingram," and to carry on the same and the business of manufacturers of perfumes, soaps, brushes, combs, fancy goods, hair washes and preparations for the hair, chemical, industrial and other preparations, oils, pigments, etc. The directors are:—H. Johnston and R. M. Maddox. R.O., 184a Stockport Road, Manchester.

COMMERCIAL ALCOHOL CO., LTD. (P.C.).—Capital £30,000. Objects: To acquire any invention relating to alcohol, in particular to acquire the benefit of a certain invention for the manufacture of cellulose solutions the German patent for which is dated March 26, 1924, No. C34,666, to carry on the business of planters, growers and producers of sugar, maize, beet, yams, potatoes, and other products, distillers, sugar manufacturers, producers, refiners, storers, and distributors of alcohol, petroleum and other oils. The directors are: B. H. Morgan and J. Lawson. R.O.: 7 Princes Street, Westminster, London, S.W.1.

"OYEZ," LTD. (P.C.).—Capital £10,500. Objects: To acquire the trade-mark "Oyez," No. 444,097, together with the goodwill of the business thereof; to take over the benefits of an agreement dated February 14, between F.F. Manufacturing and Trading Co., Ltd., of the one part, and F. Fanta of the other part, and a supplemental agreement between the same parties, dated March 31, and to carry on business for the sale of toilet preparations, perfumes, toilet requisites, sundries and accessories; to carry on business as manicurists and masseurs, etc. Solicitors: Whiletock & Storr, 8 Bloomsbury Square, London, W.C.1.

J. & E. ATKINSON, LTD.—The accounts for 1924 show a trading profit of £45,956, against £63,491; net profit, £40,636, against £51,758; available, £54,215.

STEVENSON & HOWELL, LTD.—The net profit for 1924 was £40,229, and available with £97,578 brought forward, £137,807. The final dividend is 15 per cent., making 20 per cent., tax free; £2,000 is transferred to reserve fund and £112,657 carried forward.

J. C. & J. FIELD, LTD.—The accounts for the year ended March 31, 1925, show a net profit of £20,224, plus £5,589 brought forward, making £25,813. The directors recommend a dividend of 12½ per cent. on ordinary shares, less tax, transfer to reserve £6,000, making £30,000, leaving £6,877 to carry forward.

LEVER BROTHERS, LTD.—At a meeting of the directors, on May 13, Viscount Leverhulme, at the request of his colleagues, accepted the position of governor of the company; Mr. Francis D'Arcy Cooper (hitherto joint vice-chairman) was appointed chairman; and in addition to Mr. Harold Robert Greenhalgh, who was appointed vice-chairman in 1921, and will continue in that office, Mr. John McDowell (hitherto a managing director) was appointed a vice-chairman. Sir Herbert Morgan has since been appointed to a seat on the board.

GODDARD & GRIEVE, LTD.—Statutory meetings of creditors and shareholders were held on May 28 under a compulsory winding-up order. The debts were estimated at £294, and the assets at £1,040, and as regards shareholders, there was a deficiency of £1,434. It is understood, however, that Mr. Thomas J. Grieve proposes to provide funds to pay 20s. in the £ to the creditors and to meet the costs of liquidation. The company was registered in February 1921 with a nominal capital of £2,500 in £1 shares, and was formed to acquire and carry on the business of chemists previously carried on by E. J. T. Goddard. Since the early part of 1924 Mr. Grieve (governing director), in consequence of illness, has been unable to attend to the business, and a sale of the business had since been effected for £1,997. The failure was attributed to insufficient capital and heavy overhead charges. A liquidator was appointed.

BOOTS PURE DRUG CO., LTD.—The report for the year ended March 31, 1925, shows a net profit of £654,837, an increase of £26,217 compared with 1923-4. The directors recommend that the last interim dividend paid in March shall be a final dividend, making 36 per cent., less tax, for the year, the same rate as before. The balance of undivided profit for the year is £198,087, which, with £210,552 brought in, makes a total of £408,639. It is proposed to transfer to reserve £246,011, against £100,000 a year ago, raising it to £750,000, and £10,000, against nil, to freehold reserve, carrying forward £152,629, compared with £210,552. The directors have again appropriated £20,000 towards a general employees' pension fund, making a total of £60,000 available for this object, apart from the chemists' pension fund already in operation. The issued share capital remains at £2,400,000, depreciation fund stands at £377,113, against £343,457, while investments in subsidiary companies have increased from £618,000 to £893,000.

NATIONAL DRUG AND CHEMICAL CO. OF CANADA.—The report for the year ended January 31, 1925, shows, after paying all expenses and providing for bad debts, a loss on the year's operations of £6,858. Surplus of assets over liabilities at January 31, 1925, was £740,084, or £1 13s. 7d. for each outstanding cumulative first preference £1 share, compared with £1 11s. at January 31, 1918, and £1 9s. 10d. at January 31, 1915. After deducting from the surplus total outstanding cumulative first preference stock at par, balance was at January 31, 1925, equal to $112.36 for each $100 outstanding 7 per cent. preference share, compared with $112.50 on January 31, 1918, and $106.60 in 1915. The payment of dividend on 7 per cent. preference shares on account of year ended January 31, 1924, was made out of balance brought forward. Transfers from reserves were necessary to provide for dividends on cumulative first preference shares which are applicable to the year under review and which are paid on same dates as in previous years.

Insurance Act Dispensing

Record of matters concerning Chemists' interests in the National Health Insurance Acts.

ENGLAND AND WALES

Local Reports

Birmingham.—The Medical Benefit Subcommittee have recommended, the approval of the Ministry of Health scheme for the testing of medicines and appliances dispensed by chemists. The analyst appointed for the Committee's area is Mr. C. Edward Sage. The number of samples to be taken in the Birmingham area was sixty samples of drugs and medicines and fifteen samples of appliances.

Blackburn.—Dr. Daley, in his annual report as Medical Officer of Health for Blackburn, states that, during the year, seven samples of medicine out of twenty-one examined were found not to be satisfactory. The Pharmaceutical Services Subcommittee warned the chemists concerned. One of the samples was deficient in diamorphine hydrochloride to the extent of 10 per cent. and in chloroform to the extent of 56 per cent. The rest were wrongly dispensed, as follows: (1) Liq. strych. hydrochlor., 90 per cent. deficient; chloroform, 91 per cent. deficient; excess of 25 per cent. of quinine sulphate; deficient in ferrous sulphate by 16 per cent.; magnesium sulphate 20 per cent., and in acid sulphuric dil. by 50 per cent.; deficient in liq. strych. hydrochlor. by 66 per cent., and excess of quinine sulphate, 50 per cent. In three instances second samples proved genuine. In two cases cautions were administered by the Insurance Committee.

Bournemouth.—The annual report of the Insurance Committee states that there are fifty chemists on the panel, against forty-six last year; prescriptions dispensed numbered 99,996, at a cost of £3,922 19s. 1d. The average cost per prescription was 9.4d., an increase of 0.3d. on the previous year.

Bristol.—The annual meeting of the South-Western Joint Pricing Committee was held at the Council House, Bristol, on May 21, at which Mr. P. F. Rowsell, J.P. (Vice-President of the Pharmaceutical Society), chairman since the setting up of the Bureau, was unanimously re-elected chairman. During the year 1924, 2,311,601 scripts, representing 2,874,848 prescriptions, were dispensed by chemists at a cost of £53,376 15s. 4d. for ingredients, and £54,314 0s. 7d. for dispensing fees. In addition to the above 2,365 prescriptions (non-chemist) representing £634 16s. 10d. were priced. Insulin ordered during the year cost £1,296 11s. 6d., and serums and vaccines from July 1 to December 31, 1924, £205 4s. 7d. The number of insured persons, prescriptions and cost since 1916 are as follows:—

Year	Insured persons	Prescriptions	Total £	s.	d.
1916	600,603	1,819,306	49,482	11	10
1917	587,013	1,757,137	48,436	3	8
1918	598,430	2,021,846	65,678	6	1
1919	627,894	1,918,340	68,580	0	4
1920	705,567	2,139,325	95,105	17	10
1921	736,748	2,216,014	93,821	1	5
1922	743,628	2,463,696	94,718	13	10
1923	748,058	2,511,626	91,930	13	6
1924	757,100	2,874,848	107,690	15	11

Cheshire.—At a recent meeting of the Pharmaceutical Committee it was decided to call meetings of panel chemists at several local centres, when explanation of the testing of dispensing scheme would be given, and other matters of importance would be discussed. With regard to the coming re-election of a Pharmaceutical Committee for the county, nominations are invited of men in areas not already represented.

Isle of Ely.—At a meeting of the Insurance Committee, recently, Mr. Maize moved that the Ministry of Health's new scheme for testing dispensing be adopted. He asked if medicines made up by doctors would be tested. In fairness to the chemists it seemed doctors should be subject to similar tests. Mr. Merrywest seconded. He had come across a good deal in his work, especially in the Cambridgeshire area, where prescriptions by country doctors were not all they ought to be, and so far as his experience went the dispensing by chemists was superior, and did not want the overlooking that some of the doctors' did. He thought some representation should be made to the Ministry on the matter. The clerk pointed out that when a doctor gave medicine from his own surgery it was unnecessary for him to write a prescription. Therefore, how they were to check the dispensing of a medical practitioner was difficult to see. Where a doctor had a separate dispensary and employed a separate dispenser the necessity for checking the doctor's medicine would be more obvious. Mr. Merrywest moved that a resolution be sent to the Ministry recommending that the testing of medicine should be placed on an equal footing for medical practitioners and chemists. He pointed out that in many cases a doctor had an unqualified dispenser, showing there was more need to test those medicines than there was the chemists'. Mrs. McFall seconded. Later Mr. Merrywest moved that the whole question be raised at the next Medical Benefit Subcommittee meeting, and this was agreed to. Mr. Maize said that in bringing the matter forward he had no idea of casting the slightest reflection on any of the medical practitioners, and he knew of no case where a medical practitioner kept an unqualified dispenser. He understood that no chemist could have prescriptions dispensed by an unqualified dispenser. With regard to medical men, it would be possible for the clerk to ascertain how many practitioners employed dispensers, and then they would be able to find out as to how medicines were dispensed.

Lancashire.—The Lancashire No. 4 Pricing Bureau has issued the following comparative statement for the area:—

	Prescriptions dispensed		Prescriptions dispensed
1924	1,861,638	1920	1,170,152
1923	1,572,576	1919	1,052,526
1922	1,401,701	1918	1,092,890
1921	1,189,387	1917	994,643

The following figures for 1923 and 1924, respectively, for the various towns in the Bureau indicate the local advances: Barrow, 95,463 and 108,850; Blackburn, 216,903 and 261,153; Blackpool, 53,783 and 66,010; Bolton, 290,979 and 334,196; Burnley, 175,016 and 206,920; Bury, 90,587 and 107,550; Oldham, 270,076 and 307,126; Preston, 216,335 and 269,611; Rochdale, 133,245 and 165,766; Westmorland, 30,189 and 34,456. For the month of January the prescriptions priced throughout the area were 205,747.

London.—A meeting of the London Insurance Committee was held on May 28, when the Finance Subcommittee recommended the payment of accounts amounting to £68,581 8s. 2d., including:—To chemists for the medical years 1924-25, £26,407 12s. 2d.; drugs (special arrangements), £50 4s. 2d. The recommendations were adopted. The following data were submitted by the Medical Benefit Subcommittee:—

	February 1925	*February 1924*
No. of prescriptions ...	745,910	766,023
Cost of ingredients ...	£10,840 3s. 8d.	£11,667 0s. 3d.
Dispensing fees ...	£14,161 17s.	£14,575 13s. 8d.
Cost of prescriptions ..	£25,002 0s. 8d.	£26,242 13s. 11d.
Av. cost of ingredients	3.49d.	3.65d.
Av. dispensing fee ...	4.56d.	4.57d.
Av. cost per prescription	8.05d.	8.22d.
No. of persons on list	1,585,494	1,569,990
Av. No. of prescriptions per person ...	0.47	0.49
Av. cost per person ..	3.78d.	4.01d.

The Subcommittee reported that the names of seven persons had been included in the list of persons supplying drugs and appliances, while the names of eight persons had been removed from the list. It was also reported that the Ministry of Health stated that the expenses in connection with the testing of dispensing scheme will be derived under Section 83 (2) of the National Insurance Act, 1924, which provides for the administration expenses of the Committee. One or two slight alterations have been made by the Ministry and these have been incorporated in the scheme. It has been found to be expedient to divide the county into four divisions instead of into five, as originally proposed. The Subcommittee recommend that the scheme for

testing drugs and appliances supplied to insured persons contained in the statement accompanying the report be adopted; that the Committee do continue agreements being entered into with Messrs. Harrison & Self, 57 Chancery Lane, W.C.2, and the Testing House of the Manchester Chamber of Commerce for the testing of drugs and appliances as provided by the scheme. The report of the Committee was adopted.

Manchester.—At a meeting of the Pharmaceutical Committee, held on May 14, Councillor R. G. Edwards was co-opted a member in place of Councillor F. W. Bates, J.P., resigned. The chairman (Mr. J. H. Nidd) reported on the special meeting he had attended in London in connection with the evidence to be submitted by the Retail Pharmacists' Union before the Royal Commission.

Portsmouth.—At a meeting of the Insurance Committee, on May 28, the Medical Benefit Subcommittee submitted the testing of dispensing scheme for approval. One member moved that it be referred back. The Ministry of Health was anxious that the insured person should get good drugs, but they were leaving the selection of the prescriptions to be analysed to three chemists and three laymen. He did not want to throw any slur upon the chemists, but he did not think the selection of prescriptions should be left to them. If the Ministry were anxious to get at the quality of the drugs supplied to insured persons, they should take the prescriptions written by the doctors for the ordinary complaints and analyse them. Mr. T. Brewis, chemist and druggist, suggested that they had little option in the matter. Mr. F. H. Ruoff, chemist and druggist, stated that chemists up and down the country had been discussing this matter for the last twelve months. The scheme had been arrived at by the Minister and representatives of the Retail Pharmacists' Union, and while suggestions might be now put up, he did not think they would go through. The mover of the motion said that while he did not suggest that chemists would go round and tell each other what drug was going to be analysed, if the Pharmaceutical Service Subcommittee selected the prescription, it was liable to leak out in the course of conversation. They should let the clerk or his deputy go to a doctor and get a prescription for an ordinary complaint. Mr. Ruoff added that it did not follow every chemist would get the same prescription under the scheme. There might be a different one for every chemist on the panel. Mr. Brewis said that, speaking of ordinary prescriptions, he ventured to assert that no analyst could correctly analyse one. The clerk stated that he had received a further letter from the Ministry with regard to the scheme, and it was agreed that the report should be referred back for consideration in conjunction with the new circular. It was also reported that Harrison & Self, London, W.C., had been appointed the analysts for the area. In connection with the pricing of prescriptions, a report was submitted by the Finance Subcommittee as to the proposal of the Ministry to charge the administration fund with the cost of the preparation of statistics for the investigation of prescribing. It was estimated that if the number of prescriptions in Portsmouth fell to 220,000, the cost would be 36s. 4d. per 1,000 for pricing, as against 28s. per 1,000 in respect of 252,000 prescriptions last year. Payments to the chemists were approved as follows:—February, £870 10s. 8d.; March, £940 4s. 7d.

Surrey.—At a meeting of the Insurance Committee, on May 27, the Pharmaceutical Service Subcommittee reported that as a result of investigation they had found a chemist had supplied syr. hypophosph. co. B.P.C. instead of Fellows Syrup. The subcommittee recommended the chemist be informed that the Committee regrets that he did not dispense the prescription as ordered by the doctor, and that he must supply medicine as ordered by the doctor; also, the Committee will take serious notice of any future error. A complaint was made by an insured person as to the effect of a medicine dispensed for him by a chemist. The report of the analyst disclosed that the medicine was dispensed in accordance with the prescription, and that the chemist be informed that there is nothing whatever against him in connection with the case. The Finances and General Purposes Subcommittee received a communication from Mr. W. H. Fowler, the secretary of the County Pharmaceutical Committee, stating that his committee considered the lateness at which payments to chemists are being made, as, according to the agreement made by the Ministry of Health, payments should be effected during the first ten days of the month. The superintendent of the Joint Committee for Pricing Prescriptions replied that at present they are handling an abnormal number of prescriptions; those for February amounted to over half a million. The average number of prescriptions priced (last year) monthly for Surrey is 49,000; this year January prescriptions numbered 65,547; February, 69,301; and the March figures are approximately 70,000. The total number of prescriptions in the South-Eastern Division has increased in much the same ratio. Pharmacists, balances, January 1925, less the deductions for Pharmaceutical Committee's expenses, amounted to £2,308 8s. 10d.; February, £2,312 6s. 5d.; Pharmaceutical Committee, deductions, January accounts, were £63 1s. 6d., and February, £67 6s. 9d.

Worcestershire.—At a meeting of the Insurance Committee on May 23 it was suggested that a protest should be sent to the Ministry of Health respecting their scheme for the testing of medicines and appliances. The chairman (Alderman Hobson) said he considered that the Ministry's scheme meant a waste of money. The county analyst had hitherto tested medicines, and it was absurd creating new departments. Mr. Harris (Droitwich), chemist, said the fee proposed for appliances was much too high. A resolution was carried pointing out to the Ministry that the Committee had been able hitherto to get the testing of medicines done for a fee of 9s.

SCOTLAND

Fife.—For prescribing over and above what was reasonably necessary for the proper treatment of his patients, a Fifeshire panel doctor was surcharged, on May 13, in a sum of £100 by the Fife County Insurance Committee.

Kirkcaldy.—At a meeting of the Insurance Committee, on May 29, it was stated that at the beginning of 1924 there was a credit balance of £288, while the Committee had received £1,018. The expenditure was £1,692, so that there was a deficit of £386. On the year, about £500 had been dropped. A deficit such as this was not uncommon.

Lanarkshire.—A meeting of the Insurance Committee for the County of Lanark was held on May 20, at which it was reported that for the first two months of 1925 a sum of about £1,125 had been paid to chemists in respect of prescriptions dispensed by them. Mr. A. A. Dick moved the adoption of the minutes of the Medical Benefit Committee. He stated that the question of the testing of dispensing was still engaging their attention. They had delayed proceeding with the formation of a scheme for Lanarkshire until the Board of Health had considered the matter. The Panel Committee recommended that certain practitioners should be surcharged for extravagant prescribing during 1923. Speaking of the position of the drug fund for 1924, he said that in their area the amount paid to chemists for the supply of drugs, etc., during the year was roughly £6,650, compared with £5,666 in 1923. When he explained that their drug fund amounted only to £6,729, and that their expenditure was almost £9,500, they would realise the gravity of the position.

DISPLAY OF BROOM.—A gorgeous display of broom in full flower was the attraction at Burnham Beeches during the Whitsuntide holidays. The common at the Farnham approach to the famous Beeches was ravaged by fire two years ago, and apparently the broom withstood the heat well. There are several acres of plants about four feet high, and the forest wardens did not interfere with visitors coming away laden with yellow flowering branches. Their depredations did not, however, make any noticeable gaps in the broom.

Trade-marks Applied for

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1925, p. 289.

(From "The Trade-marks Journal," May 20, 1925.)

"LEWBART"; for all goods (2). By Lewbart Manufacturing Co., Ltd., 9 Paisley Road West, Glasgow. 457,733. (Associated.)

"TRYSOR"; for chemicals (2). By T. Hedley & Co., Ltd., City Road, Newcastle-upon-Tyne. 458,133.

"TARKON"; for an antiseptic medicine (3). By The Clinical Laboratories Co., 308 Euclid Avenue, Cleveland, Ohio, U.S.A. 449,203.

"OLE-GRANNI"; for chest protectors of medicated fabric (3). By F. A. Landsman, 61 Hilldrop Crescent, London, N.7. 455,483.

"NUMAL"; for soporific medicine (3). By The Hoffmann-La Roche Chemical Works, Ltd., 7 and 8 Idol Lane, London, E.C.3. 456,025.

"PREP PROMPTLY RELIEVES EVERY PAIN": for embrocation (3). By B. W. Hair & Son, Ltd., 104 High Holborn, London, W.C.1. 456,127.

"ALKODENT"; for medicinal chemicals (3) and for perfumery, etc. (48). By Tokalon, Ltd., 212 Great Portland Street, London, W.1. 456,898. (Associated.)

"MESTARNINE" and "MORANYL"; for medicinal chemicals (3). By Les Etablissements Poulenc Frères, 86 Rue Vieille-du-Temple, Paris. 456,984; 458,062.

"LIPIODOL"; for a pharmaceutical preparation (3). By L. Lafay, 54 Rue de la Chaussée d'Antin, Paris. 457,303.

"GLADIATOR"; for medicinal chemicals (3). By C. E. Fulford, Ltd., 58 Carlton Cross Street, Carlton Hill, Leeds. 457,303.

"ULCEROL"; for medicated ointment (3). By F. J. Fitzpatrick, 39 Stoneybatter, Dublin. 457,468.

"YEATEX"; for medicinal chemicals (3). By T. Kerfoot & Co., Ltd., Oldham Road, Bardsley. 458,072.

"VASOGEN"; for a medicine (3). By E. T. Pearson & Co., Ltd., 35 Gordon Square, London, W.C.1. 458,155.

"DUROLITE"; for surgical instruments, etc. (11). By Tho Scholl Manufacturing Co., Ltd., 1-4 Giltspur Street, E.C.1. 457,603.

"CLOUD"; for essences (43) and for mineral waters, etc. (44). By Stevenson & Howell, Ltd., 95A Southwark Street, London, S.E.1. 457,879/880. (Associated.)

"LAVODENT"; for a preparation for cleaning dental plates and teeth. By The Lavodent Co., Ltd., 31A Denmark Road, West Ealing, W.13. 456,372.

"ORGEN" and "FARINA" on tulip-shaped flower device ("Farina" and flower device disclaimed): for all goods (48). By J. M. Farina Gegenüber dem Juliehs Platz, Cologne, Germany. 456,662. (Associated.)

"YOUTHOLENE"; for toilet preparations (48). By T. Howe, Glenfyne, St. Werbergh's Road, Chorlton-cum-Hardy, Manchester. 456,972.

(From "The Trade-marks Journal," May 27, 1925.)

"PANDOL"; for chemicals (1). By Chemische Fabriken vorm. Weilerter-Meer, Rheinuferstrasse, Uerdingen, Niederrhein, Germany. 455,378. (Associated.)

"FANAL"; for goods (1). By Badische Anilin and Soda Fabrik, Friedenheimerstrasse, Ludwigshafen-on-Rhine, Germany. 455,687.

"REFITE": for water-softening compounds (1). By Tinkers, Ltd., Daisyfield Boiler Works, Ashton Road, Newton, Hyde, near Manchester. 455,841.

"KEMOID"; for all goods (1). By The Holland Avery Chemical Co., Back of 32 Willis Street, Ashted, Birmingham. 457,923.

"WASOF"; for water-softening preparations (1). By J. Lyons & Co., Ltd., Cadby Hall, Hammersmith Road, Kensington, W.14. 458,059.

"TOUCH WOOD" with device of fantastic figure with hands touching head; for all goods (1). By The Mond Tar By-Products Syndicate, Ltd., 47 Victoria Street, London, S.W.1. 458,183.

"CARDENITE"; for insecticides (2). By The Rubber Service Laboratories Co., 611 People's Savings and Trust Building, 335 South Main Street, Akron, Ohio, U.S.A. 457,673.

"BURREDWASH"; for agricultural chemical washes, etc. (2). By Burrows & Edwards, 41 Bedford Street, Wisbech. 457,797.

"FERRY BRAND" with picture of ferry boat; for chemicals (2). By The Briton Ferry Chemical and Manure Co., Ltd., 9 Queen Street Place, London, E.C.4. 458,221.

"HELLIPIN"; for goods (3). By Chemische Fabrik Grunau, Landshoff & Meyer Aktiengesellschaft, Copeniekerstrasse 29-34, Grunau, Berlin, Germany. 456,940. (Associated.)

Recent Patents

Abstracts of specifications of recently-granted patents for inventions. The complete specification (1s. each including postage) of any British patent can be obtained from the Patent Office, 25 Southampton Buildings, London, W.C.2, on quoting the name of the patentee and the number of the patent.

Double Ampoule.—Two ampoules connected by a capillary tube which is closed by a plug of Wood's metal. (M. Woelm A.G and M. Hahn. 232,493.)

Ointment Applicator.—An apparatus for applying ointment, jelly, etc., to cavities of the body, consisting in a tube having a small bore, provided with an olive-shaped head at one end, and a conical opening at the other with a rubber bulb. (G. R. Baxter. 232,434.)

Hydrocyanic Acid.—A process for the manufacture of hydrocyanic acid, or ammonium cyanide, consisting in passing formamide, or ammonium formate, mixed with ammonia gas, over a suitable catalyst, at a high temperature. (Badische Anilin & Soda-Fabrik. 233,080.)

Hydrogen Peroxide.—A process for the manufacture of hydrogen peroxide, consisting in distilling persulphuric acid, or solutions of persulphates, the liquid being directly heated to 55°—60° C. at 50 mm. pressure by the aid of an alternating current. (Osterreichische Chemische Werke G.m.b.H. 216,499.)

Separation of Organic Compounds.—A process for separating organic compounds insoluble in water, with a specific gravity between 1 and 2, by shaking the mixture with water, preferably in the presence of a flotation poison, i.e., a colloid, whereby one compound sinks in the water while the other floats. (I. Traube. 232,041.)

Decoloration of Cotton Oils.—Crude cotton oil is heated to 60° C. and treated with an aqueous solution containing borax, boric acid and sodium chloride, or sodium decaborate and sodium chloride, or a solution of magnesium chloride, boric acid and borax; the clear oil is drawn off and the aqueous layer is centrifuged to separate the suspended colouring matter and recover the decolorising agent. (D. McNicoll. 232,361.)

Extraction of Antirachitic Principles.—Cod-liver oil is mixed with alcohol (95 per cent.), and the alcoholic solution is removed. The latter is concentrated by heating, and the residue treated with solution of sodium hydroxide; the soaps are then removed by precipitation with calcium chloride and the active principles are extracted from the precipitate with acetone. The acetone is distilled off to reduce its volume, the residue treated with ether and hydrochloric acid, whereupon the ethereal solution is evaporated to dryness, yielding a waxy residue which constitutes the active principles. (T. F. Zucker. 208,145.)

GERMANY

Paraffin Emulsion.—A method of preparing a stable and palatable emulsion of liquid paraffin, consisting in the addition to the latter of a small amount of carnauba wax, or beeswax, and syrup of figs. (W. Möller. D.R.P. 411,601.)

Thymol.—A process for the preparation of thymol, consisting in diazotising 2-amino-1-methyl-4-isopropylbenzol, reducing the resulting azo-dye, followed by diazotising and boiling the 3-amino-1-methyl-4-isopropylbenzol thus produced. (G. Austerweil. D.R.P. 413,727.)

Antipyretic. — On treating dimethylamino-phenyldimethyl-pyrazolone with benzyle iodide or a mixture of benzyl chloride and sodium iodide, a crystalline compound is obtained exhibiting a powerful antipyretic action. (Farbwerke vormals. Meister Lucius & Brüning. D.R.P. 414,012.)

Organic Bismuth Compounds.—Potassium pyrocatechin-mono or disulphonate is treated with a suspension of bismuth hydroxide. The resulting complex salts contains about 21 or 25 per cent. of bismuth; they are soluble in water, and stable. (Chemische Fabrik von Heyden A.-G. D.R.P. 413,778.)

General Medical Council

OLLOWING the address of the President (*C. & D.*, May 9, p. 780), the General Medical Council, at its sitting on May 26, proceeded to the consideration of disciplinary cases affecting dentists. The first name was that of Mr. John Begg, L.D.S.R.C.S. Edin., 11 Montgomery Street, Edinburgh, in respect of whom the Dental Board of the United Kingdom recommended that his name be erased from the Dentists Register. It appeared that Mr. Begg was at present a patient in the Royal Infirmary, Edinburgh, and had sent a medical certificate. The case was remitted to the Dental Board for a further report.

The registrar of the Board was directed, after the Council had deliberated *in camera*, to remove from the Register the names of Samuel Robertson Crosbie, 21 Hamilton Street, London, N.W.1 (convicted in 1924 of felony and misdemeanour), and James Gray, 16 Eglinton Street, Belfast (who was found to have been systematically canvassing).

Methylated Spirits

The report of the Executive Committee included the following :—

Read :—A communication from the Customs House, No. 67,576/1925, of April 9, 1925, enclosing draft Regulations, and stating that to meet objections which have been raised to the inclusion of pyridine in mineralised methylated spirits it was proposed as an experimental measure to allow the sale of industrial methylated spirits (i.e., unpyridinised) for medical and surgical purposes other than internal use by registered chemists and druggists under the conditions embodied in the following Regulation :—

10. (1) A duly registered pharmaceutical chemist or chemist and druggist, who is also licensed as a retailer of methylated spirits, may, if duly authorised by the Commissioners, receive and have in his possession industrial methylated spirits for sale as received or as a constituent of an antiseptic or lotion which is not capable of being used as a beverage, for medical and surgical purposes other than internal use as a medicine, and for veterinary purposes, subject to the following conditions :

(*a*) The spirits, or preparation containing them, must be supplied only on a written order or prescription (which must be in duplicate for National Health Insurance prescriptions) dated and signed : (i) by a duly qualified medical practitioner or dentist, for use in the exercise of his profession, as an antiseptic or lotion for application to the skin of patients, or as an agent in sterilising instruments, or for use externally as an antiseptic or lotion by a patient of such medical practitioner or dentist : (ii) by a duly qualified veterinary surgeon, for use in the exercise of his profession, as an antiseptic or lotion for application to the skin of animals, or as an agent in sterilising instruments ; and no greater quantity than one imperial pint of spirits, either alone or as an ingredient of a preparation, shall be supplied at any one time to or for the use of any one person.

(*b*) The order or prescription must state the purpose for which the spirits or preparations are intended to be used, which must be one of the purposes authorised in this regulation.

(*c*) The order or prescription must specify the quantity of spirits required, and shall not be acted upon more than seven days after the date it bears.

(*d*) The order or prescription must state whether the spirits or preparations are for the use of the medical practitioner, dentist or veterinary surgeon himself, or for supply direct by the doctor or dentist to a patient under his care. In the latter case the name and address of the patient must be stated.

(*e*) The order or prescription (the duplicate in the case of National Health Insurance prescriptions) must be retained by the vendor for inspection by proper officer.

(*f*) The bottle or vessel in which the spirits or the preparation containing them are supplied must have a label attached bearing the words "Methylated Spirits" (or "Prepared from Methylated Spirits") "for external use only, for medical, surgical or veterinary purposes," and the name and address of the vendor.

(2) On every delivery of spirits, whether as received or as a constituent of a preparation as aforesaid, under this Regulation the vendor shall enter in a book in the form prescribed in the third schedule annexed hereto the particulars of the transaction required by such form, and shall keep such book upon his licensed premises open to inspection by the proper officer, and shall allow him to take any extract therefrom. If the preparation is not an article described in the British Pharmacopœia, the British Pharmaceutical Codex, or other well-known book of reference, the formula should be recorded.

Pharmacopœia Committee

The report of the Pharmacopœia Committee included the following passages :—

The number of copies of the British Pharmacopœia, 1914, which were sold by the publishers between November 24, 1924, and May 22, 1925, was 940 copies. The number sold in the year ending May 22, 1925, was 2,155 copies. This number is slightly lower than that for the preceding year. The total number sold since the date of publication was 49,007. A new issue of 5,000 copies has been prepared. No typographical corrections were found to be required.

The Committee have resolved that the time has arrived for taking preliminary steps towards a revision of the British Pharmacopœia, 1914, and have given instructions for the usual inquiries to be addressed to the several governmental and medical authorities concerned, and to other bodies interested. The preparation of a new edition will necessarily occupy several years, and will entail a large amount of work. The Committee have accordingly found it necessary, as on the last occasion, to appoint a secretary to assist them, and have been fortunate in securing the services of Dr. Philip Hamill, M.A., M.D., D.Sc., F.R.C.P., Lecturer on Pharmacology and Therapeutics at St. Bartholomew's Hospital Medical School.

The following were appointed members of the Committee :—Sir Donald MacAlister (chairman), Sir Humphry Rolleston, Sir Norman Walker, Sir John Moore, Sir Nestor Tirard, Sir Holburt Waring, Dr. Adams, Dr. Bolam, Dr. Caton, Dr. Kidd, Dr. Mackintosh, Dr. Magennis, Dr. Wild.

Restorations and Deletions

It was announced that the names of the undermentioned had been restored to the Medical Register :—

Andrew, Charles T. (S)
Briscoe, Edward V.
Cameron, Robert E. (S)
Craig, Stanley D. (S)
Dalal, Muljibhai K. (S)
Dixon, Alban
Grantham-Hill, Clermont
Holmes, John
Hulme, George F. (S)
MacDermot, Edward C. (I)
Mackenzie, Marion E. (S)
McVean, Farquhar (S)
Mascarenhas, Leopoldo C.
Middleton, Arthur G. M.
Norman, Louis S. F. R. (S)
O'Donnell, Thomas M. (I)
Overton, Reginald F. M. (I)
Scott, Hon. George H. (S)
Speed, Henry A.
Stevenson, Nathaniel
Wreford, John

The name of Major-General Sir Robert Porter, M.B., C.M., registered as at 3 Whitehall Place, London, S.W.1, was removed from the Register at his request, he having ceased to practise.

The Executive Committee reported that Mr. David Williamson Anderson had now been deprived of all his qualifications, his diplomas having been cancelled or suspended.

Disciplinary Cases

The following cases of complaint against medical men were taken

Mr. Shridhar Bheekajee Gadgil, F.R.C.S., L.R.C.P., registered as c/o National Bank of India, Fort, Bombay, appeared, accompanied by his solicitor, in answer to notice arising out of a conviction for misdemeanour (*C. & D.*, 1, 1924, p. 803). Letters of recommendation from professional colleagues were put in. After the Council had deliberated in private, the President informed Dr. Gadgil that the Council would allow his name to remain on the Register.

The next two cases, those of Mr. John Joseph Brennan, L.R.C.P. Edin., etc., Maeryhaf, The Walk, Merthyr Tydfil, and Mr. Vivian Thomas Pearce Webster, M.R.C.S., L.R.C.P., Tygwyn, Merthyr Tydfil, had reference to giving certificates in respect of a man named William Jones, "which certificates were untrue, misleading and improper." Both the respondents, accompanied by their solicitor, attended. At the conclusion of the hearing, the President said that, having regard to their conduct since the last hearing, and relying on the acceptance by them of the view which he was then empowered to put before them as to the gravity of lax certification, the Council did not see fit to direct the registrar to erase their names from the Register.

Mr. Nowroji Merwanji Tarachand, M.R.C.S., L.R.C.P., Mansfield, Nottingham, was summoned to appear in consequence of a complaint of having improperly signed in anticipation several intermediate certificates of incapacity, and a first certificate and notice of sickness (*C. & D.*, I, 1924, p. 803). The case was reported to the Council by the Ministry of Health. Mr. Tarachand addressed the Council on his own behalf, and gave an assurance that he would not offend again. He was, he said, no longer in practice. The President said that the Council would allow the respondent's name to remain on the Register. Two other cases affecting Insurance practitioners and their patients were taken on May 27 and 28 respectively. In the first case, charges of false entries and improper prescribing made against Mr. Albert Edward Woolfe Sandelson, L.A.H. Dubl., 347 Bury New Road, Higher Broughton, Manchester, were dismissed; in the second, Mr. Sydney Edgar Price, L.R.C.P. Edin., etc., Dudley Port House, Dudley Port, Tipton, was found to have been responsible for the issue of thirty-two misleading and improper Insurance certificates, and the registrar was directed to erase his name from the Register.

Mr. Henry Love, M.B., L.R.C.S., Irel., Avoca, Mitcham, Surrey, again appeared in answer to a complaint of enabling certain uncertified women to attend mothers in childbirth (*C. & D.*, I, 1924, p. 803). Dr. Cates said that the Surrey County Council had no further complaint to make as to the conduct of the doctor since the last hearing. The President said that, having considered the evidence from fellow-practitioners, the Council would not direct the registrar to erase Dr. Love's name from the Register.

Mr. Henry Spencer Hughes, M.R.C.S., L.R.C.P., Galen House, Lozells Road, Birmingham, was summoned on a similar charge of "covering." Mr. Mason, solicitor, Birmingham, represented the respondent, who was present. His name was retained on the Register.

On May 27, 28 and 29, the following respondents, who had been convicted in criminal courts, were dealt with by the Council :—Mr. Henry James Burke, L.R.C.P. Irel., etc., Ivy House, Hadfield, Derbyshire (three convictions for drunkenness and offences relating to motor-car driving)—judgment postponed to May 1926; Mr. Sureswar Sarkar, L.R.C.P. Edin., etc., c/o Grindlay & Co., 54 Parliament Street, London, S.W.1 (conviction for indecent assault and "like offences")—name to be erased; Mr. John Edward Rees, L.R.C.P. Edin., etc., Glandwr, Tresaith, Cardiganshire (five convictions for drunkenness or motoring offences)—judgment postponed to May 1926; Mr. Alex. John Douglas Cameron, M.B., Ch.B., Adelaide House, Northampton (convicted of unlawful killing)—name retained on the Register; Mr. Charles Nathaniel Barton, M.R.C.S., L.R.C.P., 88 Redcliffe Gardens, S.W.10. (co-respondent in the case of Abbott v. Abbott and Barton, in which the decree was made absolute on May 4, 1925)—evidence of facts alleged in the notice of inquiry regarded as insufficient; Mr. Austin Heron, L.R.C.P. Irel., etc., Stranorlar, co. Donegal (charged with having been convicted, in another name, of two misdemeanours)—conviction established, and judgment postponed to May 1926.

EGYPTIAN UNIVERSITY.—The King of Egypt has issued a royal decree creating an Egyptian University in Cairo, including four faculties : Literature; sciences; medicine, including a pharmaceutical section; and law.

Personalities

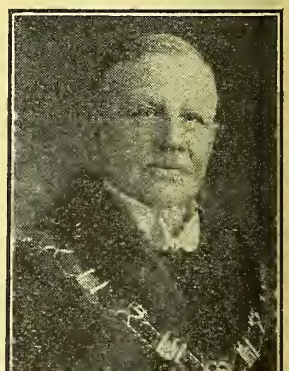
IN the current issue of "Conquest" Mr. R. Cecil Owen, B.Sc., Chester, contributes an illustrated article entitled "Discovering Lakeland."

AMONG the visitors at a recent meeting of Octa Lodge, on the invitation of W. Bro. A. J. Worth, chemist and druggist, Bournemouth, secretary, was W. Bro. W. R. Smith, P.M., St. Finlearres Lodge, 209, Cork, who responded to the toast of "The Visitors."

DR. G. CLARIDGE DRUCE, M.A., Oxford, who for twenty-three years has been secretary of the Botanical Society and Exchange Club of the British Isles, and has prepared the annual report (on the lines of the British Pharmaceutical Conference "Year-Book"), is to be presented by the members of the Society with a bookplate (which has been designed by Mr. Emery Walker) on June 26. The presentation will be made by Viscount Grey of Fallodon, K.G.

THE King's birthday list of honours includes the names of a few men who come into occasional contact with the drug trade. A baronetcy is bestowed on Sir John Bland-Sutton, President of the Royal College of Surgeons. Mr. James Berry, F.R.C.S. (Royal Free Hospital); Mr. John Campbell, representative of the Government of India on the League of Nations Opium Advisory Committee; Mr. H. J. Hope, senior registrar in bankruptcy; Mr. Travers Humphreys, senior prosecuting counsel to the Treasury; and Dr. John Robertson, medical officer of health for Birmingham, are made knights. Mr. F. S. Parry, Deputy-Chairman of the Board of Customs and Excise, and Mr. H. A. Payne, second secretary of the Board of Trade, receive the K.B.E.; Mr. C. G. Spry, a Commissioner of Inland Revenue, and Mr. S. P. Vivian, Registrar-General for England and Wales, are made Commanders of the Order of the Bath.

MR. PHILIP F. ROWSELL, F.C.S., the newly elected President of the Pharmaceutical Society of Great Britain, was born and educated at Yeovil. After serving his apprenticeship to Mr. J. J. Ogilvie Evans, Orchard Gardens, Teignmouth, he became an assistant in the business of Holman, Ham & Co., Exeter, which dates back to 1765. Having passed the Qualifying examination in 1886, Mr. Rowsell returned to the business at Exeter as manager, and in the course of a few years he became sole proprietor. The concern was converted into a private limited company in 1911. Mr. Rowsell has for many years past been prominent in public work of many kinds. In 1907 he became President of the Proprietary Articles Trade Association (an office he again filled in 1922), a justice of the peace for Devon, and a member of the Council of the Pharmaceutical Society. From 1921 to 1924 he was Mayor of Exeter, and in that city he has occupied several other positions of importance. In addition, Mr. Rowsell has taken an active part in the work of the Methodist Church, and was for some time a Parliamentary candidate for the Bridgwater Division of Somersetshire. From the inception of the Insurance Act he has rendered conspicuous service in its administration in Devon, including the chairmanship of the County Insurance Committee from 1917 to 1921. From a copy of "The Devon and Exeter Gazette" which has reached us, we learn that Mr. and Mrs. Rowsell recently entertained a party of London journalists, who were visiting Exeter, to tea at their residence at Withycombe.



MR. P. F. ROWSELL, F.C.S.

Births

Notices for insertion in this column must be properly authenticated.

CHARLESWORTH.—At 74 Winwick Street, Warrington, n May 27, the wife of A. Charlesworth, chemist and ruggist (Bamforth & Co., chemists), of a daughter.

SILLITOE.—On May 25, the wife of A. Leonard Sillitoe, .P.S.; Lee-on-the-Solent, of a daughter.

Marriages

CAMPKIN—HOSEGOOD.—At Emmanuel Congregational hurch, Cambridge, on June 1, Bernhard Sidney ampkin, chemist and druggist, son of the late Alderman . S. Campkin, chemist and druggist, to Mabel Grace osegood, only daughter of the late Mr. Luke Hosegood.

HUGHES—RAINE.—At St. Gabriel's Church, Wanstead, ondon, E., on May 30, by the Rev. M. W. Manthorp, icar, David N. Hughes, Wanstead, to Dorothy M. Raine, ounger daughter of Mr. E. B. Raine, M.P.S., 3 Northumberland Avenue, South Wanstead, E.12.

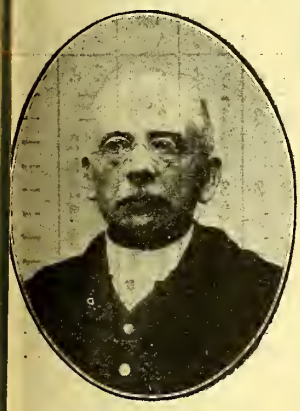
MARSHALL—BROWN.—At the Parish Church, Ludford, n May 27, Walter Marshall to Doris Mary, daughter of e late Mr. W. S. Brown, chemist and druggist, ollingham.

Silver Wedding

BENNET—SMITH.—At "The Minster," Warminster, on une 4, 1900, David Smeaton Bennet, F.C.S., M.P.S.I., ahirciveen, co. Kerry, to Kate Rosa, second daughter f the late Mr. John Smith, Warminster. Present ddress: "Avoca," Cahirciveen.

Deaths

BANE.—At Marlborough, on May 25, Mr. Thomas erry Bane, J.P., chemist and druggist, High Street, aged seventy-five. Mr. Bane was the eldest son of the late Mr. Alfred William Bane, to whose business he succeeded. He served for over twenty years on the Town Council, and was elected Mayor in 1890 and in 1903. For fifty-three years he acted as organist of the Parish Church, Mildenhall. Mr. Bane was a keen photographer, and the portrait that we reproduce was taken by him several years ago.



MR. T. P. BANE, J.P.

GLEW.—At 156 Clapham Road, London, S.W.9, on May 31, Anne Glew, beloved wife of Mr. F. Harrison Glew, M.B.E., M.P.S., daughter of the late Mr. Henry Lownds, Clifton-on-Trent, aged sixty-three.

GOWANS.—At 12 Fourth Avenue, Dumbreck, Glasgow, on May 22, Mr. Duncan Stewart Gowans, chemist and druggist (McLean & Gowans, chemists, 556 St. Vincent Street). Mr. Gowans qualified in 1902. He was Worshipful Master of Lodge Galen, No. 1,285, at the time of his death, and masonic honours were rendered at the funeral, which took place at Hillfoot Cemetery on May 25.

PATERSON.—On June 1, Mr. Andrew John Kidd Paterson, chemist and druggist. Mr. Paterson qualified in 1894.

A NEW HOTHOUSE for the display of plants of botanical and educational interest was opened at Kew Gardens on June 2.

Wills

MR. ADAM KENNEDY, wholesale druggist, 3 Douglas Gardens, Edinburgh, who died on March 15, left personal estate in Great Britain valued at £6,694 1s. 11d.

MR. HENRY TROTT MOREY ATTWELL, The Hollies, Carewdon Road, Southend-on-Sea, director of Edward Cook & Co.; Ltd., East London Soap Works, who died on February 27, left property of the value of £9,963 12s., with net personalty £7,111 3s. 4d.

MR. JOHN ANDREW EDWARD RAYNER, Graham Road, West Kirby, Cheshire, managing director of the United Alkali Co., Ltd., who died on April 7, left estate of the gross value of £11,418 1s. 10d., with net personalty £5,705 19s. 2d. Probate has been granted to his widow, Mrs. Emily Agnes Rayner. He directed his trustees to offer as a gift to the Corporation of Liverpool, for inclusion in the permanent collection of the Walker Art Gallery, the portrait by W. W. Owless of the late Andrew George Kurtz (the donor to that collection of the picture "Elijah in the Wilderness," by Lord Leighton); and all other his property to his wife absolutely.

VISCOUNT LEVERHULME'S will is not proved, but the executors have issued the following summary of its contents: The testator appointed his son, the present Viscount Leverhulme, and Mr. H. R. Greenhalgh, Mr. F. D'Arcy Cooper, and Mr. John McDowell, to be his executors and trustees, and after giving each of them a pecuniary legacy he gave all the remainder of his property, real and personal, to his son, the present Viscount Leverhulme, absolutely, except that out of the holding of the issued ordinary share capital of Lever Brothers, Ltd., of which the testator was entitled to dispose, he set aside and appropriated one-half (viz., 120,000 shares of £10 each) of the total number of the fully-paid ordinary shares of that company to be retained by the trustees as a special fund for the purposes defined by the will. These purposes were, in the first place, to pay certain legacies and annuities to persons in his personal employment at the date of his death or to whom he had been accustomed to make pecuniary allowances, and, subject to these payments, the income of the special fund is directed to be divided into 100 parts, of which: 10 parts are to be paid to the Viscount Leverhulme for the time being; 30 parts are to be divided among the chairman and other members of the special committee of the board of Lever Brothers, Ltd.; 20 parts are to be divided among the directors of Lever Brothers, Ltd., and the chairman of associated companies in various proportions; 20 parts are to be applied for the purposes of artistic encouragement; and the remaining 20 parts for charities connected with commercial travellers, grocers, or chemists, their wives, widows, and children. The capital of the fund will be distributed immediately before the expiration of twenty-one years from the death of the survivor of the testator's executors and descendants and the descendants living at the testator's death of the late Queen Victoria in the same proportions. The testator directed that the estate duty on the special fund should be paid out of the income of that fund, and consequently no distribution of income under the trust is likely for some time.

TRADE OF VENEZUELA.—The now available statistics of Venezuela's foreign trade during the second half of 1923 show that imports amounted to 82,936,736 bolivars, while exports represented a value of 68,281,261 bolivars. As regards the countries of origin of imports, the United States head the list with 40,368,775 bolivars; followed by Great Britain, 18,976,314; Germany, 7,171,599; France, 4,445,155; and Holland, 3,803,333 bolivars. Pharmaceutical products to the value of 1,100,000 bolivars were imported from the United States, while British imports of this category figure with 106,000, German 163,000 and French with 540,000 bolivars. Toilet articles to the value of only 25,000 bolivars were imported from Great Britain, French imports figuring with 510,000, and the United States 240,000 bolivars.

Trade Notes

ADVERTISEMENT INSET.—The inset in Murillo brown and black which appears in this issue contains special announcements of Stafford Allen & Sons, Ltd., Morny Frères, Ltd., and THE CHEMIST AND DRUGGIST.

WELCH'S GRAPE JUICE.—Fassett & Johnson, Ltd., 86 Clerkenwell Road, London, E.C.1, have been appointed sole distributors in Great Britain and Ireland of Welch's Grape Juice. This now retails at 2s. per pint bottle.

LABELLING ORDER.—Suttley & Silverlock, chemists' printers, Blackfriars, London, S.E.1, are specialising in supplying labels to meet the requirements of the Labelling of Poisons Order. Samples will be sent on application.

CHEMISCHE WERKE GRENZACH A.G., in Grenzach (Baden), inform us that they have transferred their chief office to Berlin, and all correspondence should be addressed to: Chemische Werke Grenzach A.G., Friedrichstrasse 110-112, Berlin N.24.

GERMAN DRUGS AND CHEMICALS.—Mr. S. L. Flores, 40 Mincing Lane, London, E.C.3, has been appointed sole agent in the United Kingdom for Theodor Teichgraeber, A.G., vorm. Hasche & Woge, exporters of crude drugs and fine chemicals, Berlin and Hamburg.

AUTOGRAPHIC CASH REGISTER. — The National Cash Register Co., Ltd., 225 Tottenham Court Road, London, W.1, give in their advertisement particulars of a small National cash register with autographic attachment. *C. & D.* subscribers are invited to fill in a coupon or send a post-card asking for further details.

PEARS' SLOGAN COMPETITION.—A. & F. Pears, Ltd., 71-75 New Oxford Street, London, W.C.1, announce a new competition in which the public are offered a large number of prizes. For every one of a chemist's customers who wins a prize, the chemist receives a like amount—a generous offer, considering that the first prizes are £100 each.

DR. PLATT'S RINEX PRESCRIPTION.—John Morgan Richards & Sons, Ltd., 46 Holborn Viaduct, London, E.C.1, announce an advertising campaign in London for Dr. Platt's Rinex Prescription. There is an offer made in the company's advertisement in this issue of Rinex with samples. Particulars of window displays will also be furnished on request.

VANORÉ, LTD., 4-6 Muswell Hill Road, Highgate, London, N.6, ask the indulgence of the trade for any delay that may have been caused in the delivery of orders for Vanoré vanishing cream and sifter-box powder. The delay was due to the large number of orders received, but larger plant is being installed to cope with the business. The special feature of the business is the supply of high-class articles at low prices.

GIBBS' COLD CREAM FOAM.—We have received from D. & W. Gibbs, Ltd., a sample jar of their cold cream foam, in a new package. This is a charming container of frosted glass, both jar and lid, and inside the lid is a metallic closure which keeps the contents free from contact with air. The cream itself is pleasingly perfumed with otto of rose, and has a nice pearly appearance. The outer carton has a design in yellow, black and grey. The cream retails at 1s. 3d. per jar.

AMBULANCES.—Britton, Malcolm & Waymark, Ltd., 38 Southwark Bridge Road, London, S.E., make an announcement in regard to the Home Office order which comes in force on July 1, requiring that all docks, wharves, quays, harbours, canals, etc., where the process of loading, unloading, moving or handling goods is carried out, shall be provided with ambulance carriages and stretchers. A great number of chemists are in a position to handle these articles, and the company suggest that they approach the owners of such establishments, with a view of supplying these articles, in which Messrs. Britton, Malcolm & Waymark specialise.

"KHARSULPHAN" BRAND OF NOVARSENOBENZOL.—The administration of arsenobenzol compounds in the treatment of syphilis has been further simplified by the introduction of "Kharsulphan," manufactured by Burroughs Wellcome & Co. at the "Wellcome" Chemical Works, under licence from the British Board of Trade, biologically tested under arrangements approved by that Board and authorised by the Ministry of Health (Great Britain) for use under the Public Health (Venereal Diseases) Regulations. "Kharsulphan" is for use only when subcutaneous or intramuscular injection is preferred to the intravenous route. The advantage of "Kharsulphan" is the ease with which solutions are prepared and injections made; no elaborate technique or apparatus is required. "Kharsulphan" brand of Novarsenobenzol is supplied in hermetically-sealed phials of 0.15 gm., 0.3 gm., 0.45 gm., and 0.6 gm.

THE CHEMIST AND DRUGGIST

RETAIL PRICE LIST

based on definite costing principles

THE drug index continues to fall, the figure for May being 149.0, which is the lowest since the war. The surgical dressings index also shows a fall to 228.8, another record. The prices shown below are the chief alterations since those given in the *C. & D.*, May 2, p. 644, and enable chemists to revise the List to June 1.

The Dispensing Price Systems given in the *C. & D.* Retail Price List are the most used in the chemists' shops of Great Britain, and are helping to promote price uniformity in this highly important part of the chemists' business. The systems are also studied abroad, the latest example being in the "Bollettino Chimico-Farmaceutico," which translates the two methods into Italian to enable the readers of that periodical to judge of the merits of the chief British systems.

—	Cost	Selling Price (solid or liquid)				
	1 lb. or as stated	16 oz.	4 oz.	1 oz.	1 dr.	Gr. or ℞
	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
Ammon. brom. ..	3 10	—	1 8	0 6	—	—
Cera flava exot. ..	3 0	4 6	1 5	0 5	—	—
Ess. pulegii	9 0	—	3 9	1 0	0 2	—
Ext. filicis liq. oz.	1 2	—	—	2 3	0 8	—
Ichthyoc. Braz. incis.	8 6	12 9	3 9	1 0	0 2	—
Lin. methyl sal. ..	8 0	—	3 6	1 0	0 2	—
Lin. methyl sal. co. ..	9 0	—	4 0	1 1	0 2	—
Macis pulv. opt. ..	8 0	12 0	3 6	1 0	—	—
Macis opt.	7 6	11 3	3 3	0 11	—	—
Macis opt. parv. ..	7 0	10 6	3 0	0 10	—	—
Pot. brom.	3 4	—	1 6	0 5	—	—
Pot. permang... ..	1 2	1 9	0 6	0 2	—	—
Sodii brom.	3 6	—	1 7	0 6	—	—
Spt. myristic... ..	26 0	—	10 9	2 10	0 5	—
Tr. valerianæ	6 0	—	2 6	0 9	0 2	—
Tr. valer. ammon. ..	5 0	—	2 1	0 7	0 1½	—
Ung. aq. rosæ ..	7 0	—	3 0	0 10	—	—
Ung. plumbi carb. ..	4 0	—	1 9	0 6	—	—
Valer. rhiz. Belg. ..	2 9	—	1 3	0 5	—	—

Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated:

J/265. Basting's razor strops
S/36. Dr Hunt's asthma cure
M/36. Electro-neurotone
L/295. Fiberloid Co. of America, makers of hair brushes. London office
M/295. Gelsemferrin
E/305. Hair ice water lotion
G/36. Lacoste dentifrice
L/275. Photo Fulgrave Co.—address
S/26. Q.R. syringe
W/26. Solingen tablets (agar agar)
S/36. Vermikol

Observations and Reflections

By Xrayser II.

The Apathy

shown by the majority of the Pharmaceutical Society's members is the chief subject of nearly all the comments on the recent election which I have seen or heard, except my own. I think, nevertheless, that my view of the case is the right one. An increase of 572 votes is surely a hopeful sign, especially when it is remembered that it is an increase upon what was the largest number of votes cast in recent years, if not in the Society's history. The case is still more hopeful when all the circumstances are taken into account. If the issue had been the adoption or rejection of the by-laws the probability is that the increase would have been five times what it was, or even more, but that question was already settled, the mischief was done, and it is characteristic of the British race not to make a pother over things that are past and done with. As a rule we are not a resentful people, though the rule has its exceptions, as some published comments on the election show only too clearly. The two defeated opponents of the seven official candidates promise to wake up the slumbering half of the Society, and I wish more power to their elbow in this attempt. They have already done something towards it, and if anything can help them to further success the abuse which one of them, at least, has received in consequence should do it. The best answer to that is steady persistence in the work of enlightening the apathetic section of the Society on the defeats of our constitution and the necessity of reform. It is by no means a hopeless task.

What Happened

in the crisis through which we have just passed shows the fallacy of the contention (in "The Script") that our branches now give us the "power of control." Their decision on any point is absolutely valueless for the purpose of control; as part of "a system of government" they might as well not exist. The referendum referred to above was equally valueless in itself: only a general meeting of the kind provided for in the Charter has any real power to determine policy. In this respect we are precisely where we were in 1919. We may have greater facilities for ascertaining the mind of the Society, but neither in the recent crisis nor in that of 1919 was there any doubt what the mind of the Society on the essential point at issue was. The power to make the wishes of the majority effective is what we want, and shall want until a meeting of delegates legally able to enforce the will of the Society upon the Council is possible, and this cannot be unless the Charter is altered. The writer of the article I am criticising denies this, or seems to deny it. There is nothing, he says, in the Charter which "limits or nullifies this method of democratic control." Let him tell that to Sir William Glyn-Jones, or to the Council as a body. He is wrong, too, in asserting that "apart from this feature there is not much justification for 'scrapping' the Charter." There is at least this justification: that when we desire any change of policy of which the Council does not approve we are told that the Charter blocks the way.

The Inauguration

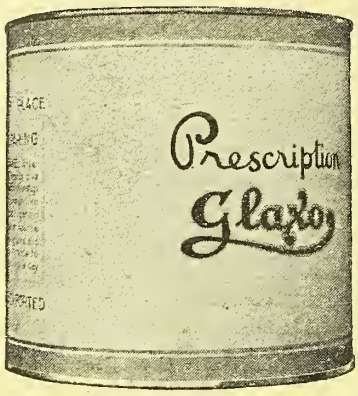
of the Ex-Service Pharmacists' League naturally suggests the question: Has the pharmaceutical Society, then, abandoned all attempts on its own part to improve the condition of pharmacy in the Army and the position of pharmacists engaged in Army service? It would certainly seem so from the speeches of Mr. Sargeant and Major Peck at the inaugural meeting. The former admitted that the Council had failed in its efforts, and said that where it had "left off" the new League should take up the work. Major Peck spoke to the same effect. The Council (he said) had done all it could, and it now remained for the ex-Service men to try what they could do. We are thus driven to the conclusion that we have here another instance of the handing-over by the Council to another body of duties which rightly belong to itself. It is not surprising that it should be weary of work in which it has so conspicuously failed, and it is quite possible that the cause of pharmacy in the Army and the men engaged in it will benefit rather than suffer by this relegation of its task to younger and presumably more active men; but it strikes me more as a dereliction of duty than anything else, and the advice which Major Peck gave to the League was a rather amusing instance of the truth of Mr. Shaw's dictum, "He who can, does; he who cannot, teaches." The Council may indeed have learnt wisdom from its own mistakes, and Major Peck, as its spokesman, may have been pointing out to the League the more excellent way which the Council feels it ought to have followed. The Council, I presume, relieved of this work, will now give itself wholeheartedly to—well, I really don't know what there is left for it to do, unless it is to make a few more by-laws.

Facing Your Report

of the ex-Service pharmacists' meeting in question was a paragraph on Greek army and navy pharmacists which somewhat startingly points the contrast between the conditions of pharmacy in that service and in our own Army, and which may also perhaps be taken as showing the different esteem in which education is held in our happy little island and among "them nasty furriners." John Bull, honest man, seems to have an ineradicable distrust of ideas and of the education, the end of which, from the national point of view, should be, in Matthew Arnold's words, to make right ideas prevail. We are a "practical people," and our glory is to "muddle through." It is an expensive habit, and not always a very successful one. I daresay our pharmaceutical service, both in Army and Navy, may in its results bear comparison with that of similar services abroad in which a more rational system prevails; but that proves nothing against the contention that it ought to be in the hands of properly educated men with the authority that commissioned rank carries with it. If this were added to the natural advantages we possess, our service, whatever it may be now, would be immensely improved, and it ought to be as good as it can possibly be made. All service may, as Browning says, rank the same with God, but it does not with our War Office; and the best educated man, even supposing he would accept service on the terms offered, would be practically powerless as a non-commissioned pharmacist. "That in the captain's but a hasty word which in the corporal is rank blasphemy," and conversely, the recommendation or direction of the corporal would weigh nothing against that of the captain.

Our Liquor Laws

are curious enough, and I confess to having been many times made angry by the restrictions which forbade my being served with a glass of beer or stronger stimulant when I have really needed it; but I should be sorry to see, and so, I am sure, would you, the English chemist made, as the American one has been made, the channel (or *a* channel) for the habitual supply of intoxicants as beverages, except (that is) as holders of off-licences in accordance with existing laws. Nor do I think there are many places, if any, in England in which sufficient facilities for the regular supply of such beverages do not exist, if only a little forethought is exercised by those who require them. It is, however, abominable that such prosecutions as that on which your article was founded should be not only possible but successful; and there is no doubt that cases of real hardship occur, in which life itself may be at stake for want of an unobtainable temporary stimulant. I don't know that the chemist suffers any grievance on this account. As the holder of a full wine and spirit licence for many years I found it, commercially, rather to my advantage than otherwise that professed teetotallers and other habitual abstainers were faced by the impossibility of getting a dose, say, of brandy in a case of sudden illness.



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Editorial Articles

Narcotics in Egypt

A RECENTLY issued Egyptian royal decree introduces new regulations dealing with the traffic in narcotics, to take the place of the decree of May 8, 1922. The new law consists of forty-two articles, and will be submitted to parliament on its reassembly. Article 1 defines the narcotics coming within the scope of the law as follows: (1) Raw opium, medicinal opium, and their preparations; (2) morphine, codeine, dionin, heroin, and other alkaloids of opium, as well as all their salts, derivatives, mixtures, compounds, official and non-official preparations (including so-called anti-opium remedies) containing any heroin whatsoever, or 0.2 per cent. of morphine or dionin, or 0.8 per cent. of codeine, or any amount exceeding these proportions; (3) coca: leaves, fruits, powder, all its preparations and derivatives; (4) cocaine, its salts and derivatives, novocaine and all preparations containing over 0.1 per cent. of cocaine or novocaine; (5) ecgonine; (6) Indian hemp and all its preparations and

derivatives, under whatsoever name they may be placed on the market. A special licence for each consignment must be obtained from the Administration of Public Health to import or export narcotics, and these substances may not be imported, or exported, in packages containing other substances. If they are despatched in post parcels the parcel must be registered and bear a declaration of the nature, quantities, and strength of the narcotics therein contained. It is forbidden to import medicinal opium containing less than 10 per cent. of morphine, and all consignments of opium imported must be accompanied by a certificate from the factory indicating its morphine content. Pharmacists are required to keep narcotics in containers bearing a label with the title, etc., in black letters on a white ground, with the word "poison" in white letters on a black band. Narcotics may be supplied only on a prescription, which must comply with the following requirements: It must be written in ink or with an aniline pencil in clear language indicating the quantity of narcotic to be dispensed in words and in figures: it must be dated and signed in full by the prescriber, stating, in addition, his address and telephone number (if any), as well as the name, address and age of the patient. Prescriptions calling for narcotics other than codeine may not be dispensed if more than seven days have elapsed since the date appearing on the prescription. In the case of solutions for hypodermic use the interval may not exceed two days. Medicines containing morphine, dionin, cocaine, novocaine, or codeine may be repeated provided the amounts present do not exceed the limits indicated in Article 1, and provided that the total quantity of narcotic present does not exceed 0.03 gram. This does not apply, however, to solutions for hypodermic injections, which may be repeated only on presentation of a new prescription. Pharmaceutical specialities manufactured in Egypt or abroad destined for oral administration, or for external application, containing morphine, dionin, cocaine, novocaine or codeine, may be delivered without a prescription provided the amounts present do not exceed the limits laid down in Article 1, and the total content does not exceed 0.03 gram. It is forbidden to deliver specialities containing narcotics if these are destined for hypodermic use. Article 15 prohibits pharmacists from dispensing a prescription in which cocaine or novocaine is to be used for external application if the amount of cocaine or novocaine present in the solution exceeds 0.2 gram, or if the strength of the solution exceeds 2 per cent. When either cocaine or novocaine is prescribed for internal administration in amounts exceeding 0.2 gram it must be mixed with at least two other active medicinal substances. Medicines intended for dental use must bear a label with the words "for the teeth only"; if destined for animals the label must state "for animals only." Pharmacists are obliged to keep a special register, the leaves of which are numbered and stamped by the Administration of Public Health, in which each purchase and sale of narcotics has to be entered. In the case of sales, the name and address of the person who dispensed the prescription, as well as the name, address and age of the patient, serial number of the prescription in the prescription book, and amount of narcotic supplied, have to be entered. Prescriptions calling for narcotics, and the registers, must be retained by the pharmacist for a period of five years. However, a copy of the prescription may be delivered to the customer, which must bear the stamp of the pharmacist, date, and number in the special register. Narcotics may be supplied by pharmacists to medical practitioners, veterinary surgeons, dentists, proprietors of analytical laboratories, directors of hospitals, dispensaries, educational establishments, and laboratories in which pharmaceutical preparations are manufactured, only on presentation of a special licence delivered by the Administration of Public Health. The licence will indicate the narcotics to be delivered and the total amount which may be supplied during a period of six months, as well as the maximum which may be supplied at any one time. In the case of dentists, licences are granted only for the supply of ampoules of cocaine and adrenalin (maximum 2 per cent. of cocaine) and ampoules of novocaine (maximum 5 per cent.). Proprietors and managers of pharmacies are required to supply to the Administration of Public Health during the first week of the months of January, April, July and October of each year a detailed account of all purchases and sales of narcotics during the preceding three months. Licensed wholesalers are permitted to supply narcotics to pharmacists only, and have to keep a special register in which all transactions have to be entered, and in addition must submit a monthly statement of purchases and sales to the Administration of Public Health. Article 30 regulates the traffic in raw opium produced in Egypt, for which a special permission from the Minister of the Interior has to be obtained. The new law has been unfavourably commented on by Egyptian pharmacists, who dwell on the many contradictory provisions and anomalies it contains. The penalties for transgressions range from three years' to seven days' imprisonment, and fines from £E.300 to £E.10; in addition to being sentenced to either or both these forms of penalty, the delinquent may lose the right to exercise his profession or trade for a period of fifteen days to two years; in some cases the pharmacy or business may even be definitely closed by order of the judge. These penalties raise an interesting point in international law, since the Capitulations provide that delicts and crimes do not come within the competence of the mixed jurisdiction, the scope of which, as far as foreigners are concerned, is limited to dealing with simple violations of police regulations. Hence, Article 39 of the new law states that, pending new arrangements, the mixed Courts in dealing with transgressions against these provisions shall treat them as infringements, except as regards the right of the judge to pronounce the temporary or permanent closure of a business. Finally, it may be mentioned that 10 per cent. of the fine collected in the case of a condemnation shall be paid to the persons assisting in the seizure of illegally held stocks of narcotics.

Shellac Market Prospects

THE erratic fluctuations in prices lately noted in the primary market for shellac have tended to induce a cautious feeling on this side, notwithstanding the fact that, according to recent statistics, warehouse stocks at the end of February stood at 12,741 cases, compared with only 8,471 cases on January 31. During the past month surface appearances in the London market were, to some extent, strengthened by considerably reduced landings and the expectation that the stocks will disclose another decrease. At the same time, Calcutta quotations forged ahead, ranging up to about 113 rupees. But a quick reaction ensued down to 104 rupees, and this was translated into a decline of over 10s per cwt. down to 222s. 6d. c.i.f. for May-June shipment. The lack of stability, which has frequently characterised operations in Calcutta, is not conducive to any extended activity in the London terminal market, while the trade demand has been rather more restricted. From the beginning of this year, the Calcutta spot quotations have ranged from about 135 rupees down to 108 rupees, and the depreciation in the London spot price of standard T.N.

orange in cases, down to about 240s. per cwt., represents fully 80s. from the highest point recorded in January. The fact has to be noted that this quotation, 15s. under the lowest touched either in 1924 or 1923, constitutes the lowest level seen for several years past. It compares with 410s., the highest figure reached in 1921. Curiously, the London stocks at that period differed little in quantity from those seen within the last three months, but stronger speculative forces were at work at Calcutta a few years ago. American takings, which in recent years represented roughly two-thirds of the total Calcutta shipments, have since declined to little more than one-half. Thus an important element of competitive buying has fallen away. On the other hand, the distribution of supplies outside of America (including Great Britain) has been increasing, so that the absorption of current shipments in the aggregate has been well sustained. While the position of shellac is healthy enough, and without fear of any accumulation of excessive stocks such as existed before the war, speculative possibilities, for the time being, are much more conservative. Until market conditions at Calcutta inspire more confidence, dealers in this market are not inclined to take new risks on the "bull" side. As compared with current consumption, reserve stocks, however, are not very large, representing approximately two months' average requirements for this market, so that, failing a regular movement of new supplies to London, or given a renewed material increase in the American takings, there would be the prospect of a rise in value. Bearing in mind the world-consumption of shellac, which is an essential in the manufacture of paints and varnishes, apart from new uses, its current value, although still high, does not seem altogether unreasonable. The fact may be recalled that long before the war the price rose to about 230s. under exceptionally active conditions, when stocks were only moderate and under close control. India, also, has been well able to retain her monopoly, and production has not varied much from year to year, while sticklac crops are apt to be affected by adverse weather conditions. The total Calcutta shipments for April to all destinations were moderate at 28,660 cwt., although this represents an increase compared with the same month last year. Judged from the returns received for the first two weeks of May—21,791 cwt.—the total for the whole month should reveal a notable excess against the previous month. It would appear that the quantities diverted to the United States (these increased during May) are capable of a further extension in the event of an enlarged outlet in the American trade. This is probable, as other commodities used in the paint and varnish trades have been in better demand. Returns of landings and deliveries in the London market for the last four years and for the first four months of this year are given below, together with the highest and lowest prices reached each year for TN for spot delivery:—

Years	Landings, cases	Deliveries, cases	Spot value of T.N.	
			Highest	Lowest
			s. d.	s. d.
1921 ..	52,463	53,409	410 0	272 6
1922 ..	50,452	57,225	395 0	285 0
1923 ..	67,474	56,404	375 0	255 0
1924 ..	53,059	58,593	335 0	255 0
1925 (Jan.-Apl)	21,749	20,608	320 0	240 0

Although the London landings this year to the end of April (21,749 cases) were proportionately well in excess of the returns for the previous years given (with the exception of 1923), the progress of the deliveries has been satisfactorily maintained. This obviously is a sustaining factor, and, as mentioned above, the decline in the American imports for the past year or so is, to a large extent, offset by the larger quantities drawn by other foreign countries.

Madras Cinchona Developments

According to the administration report of the Madras Cinchona Department for 1924, noteworthy developments during the year were the new departure in the manufacture of quinine bisulphate on a large scale and the success of the cinchona febrifuge, named "Malarene" (*C. & D.*, December 20, 1924, p. 876), which has proved to be efficacious for certain forms of malaria and which is obtainable from a bark now more easily grown than other species. On the financial side, the profits of the year were rs. 2,53,000, against rs. 3,55,000 in the previous year. This decrease is partly due to a curtailment of sales, but mainly to a reduction in the price of quinine, a cheap supply of which is of more importance than any other consideration. The production and manufacturing side of the department will shortly be placed on a commercial basis. Proposals are under the consideration of Government for a reorganisation of the present system of sale. The progressive diminution of the supply of bark from private plantations has created a situation which necessitates the increase of the area under Government plantation in order to obviate the danger of undue dependence on imported bark, the price of which may, in the absence of an adequate home-grown reserve, be raised to a prohibitive level. The Government have therefore decided to proceed with a scheme which has been long under consideration for the opening of a new cinchona plantation in a tract of land in the Annamalais, which the Government are advised is suitable in every respect. The area available comprises about 20,000 acres, of which it is proposed to bring under cultivation 2,300 acres within a period of ten years. Arrangements have been made for the preliminary clearance of jungle to be taken in hand at once, and planting will be begun immediately.

Coming Events

This section is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Monday, June 8

Royal Institution, 21 Albemarle Street, London, W., at 5 p.m. General meeting.

Society of Chemical Industry (London Section), Rooms of the Chemical Society, Burlington House, Piccadilly, W.1, at 8.15 p.m. After the Annual Meeting, a paper on "Colloidics of Petroleum" will be read by A. E. Dunstan, F. B. Thole, and W. H. Thomas.

Wednesday, June 10

Birmingham Pharmaceutical Association. Visit to "Rover" Works, Coventry. Tea provided by Colonel Wyley at "Charterhouse."

Pharmaceutical Society of Great Britain (Manchester and Salford Branch), Exchange Station at 1.30 p.m. Half-day ramble—Greenfield to Crowden. Train leaves 1.52 p.m.—*(Portsmouth Branch.)* Outing to Arundel, where cricket match will be played against Redhill and Reigate chemists. Leave Elm Grove Corner at 1.30 p.m. Tickets, including tea, 6s. 9d. each.

Southampton Chemists' Social and Athletic Club. Annual outing. From the Clock Tower at 2 p.m. for Melchet Court (the residence of Sir Alfred Mond) and Romsey. Tickets (tea only 2s., tea and charabanc 3s. 6d.) from the secretary, Mr. H. J. Gay.

Friday, June 12

Royal Institution of Great Britain, 21 Albemarle Street, Piccadilly, London, W., at 9 p.m. Sir William Pope, F.R.S., on "Faraday as a Chemist."

The London Chemists' Inter-association Sports will be held on June 17 and 18 at the sports ground of S. Maw, Son & Sons, Ltd., New Barnet. Play commences at 3 p.m. Trains leave Finsbury Park Station at 2.15 and 2.45 p.m. For Western Pharmacists' Association, charabancs leave Lancaster Gate tube station at 2 p.m. Tickets (4s. each) from Mr. W. E. D. Shirtliff, 66 Goldhawk Road, W.12.

Pharmaceutical Society
of Great Britain
Council Meeting

A MEETING of the Council was held at 16 Bloomsbury Square, London, W.C., on June 3. Mr. F. P. Sargeant took the chair at the outset of the proceedings. The only absent member was Mr. Hines. There were no questions.

ELECTION OF PRESIDENT

The first business was the election of President. In the first ballot, Mr. Rowsell received ten votes and Mr. Sargeant nine, while there was one vote for Mr. Bilson.

Mr. SARGEANT said that a second ballot would be necessary between Mr. Rowsell and himself, and this resulted in Mr. Rowsell's election by eleven votes to nine.

Mr. SARGEANT, before vacating the chair, congratulated Mr. Rowsell on his attaining office.

The new PRESIDENT, returning thanks, expressed appreciation of the honour the Council had conferred upon him. He had never known quite such a close election for the office of President, he said, but he hoped to be able to follow the lead of his predecessors in that position, who had carried out the work of the Society in an excellent manner. He would certainly give of his best in the interests of pharmacy, and he hoped that his year of office would be one of great value and advancement to the Society. He assured the Council that no effort of his would be spared to achieve that object.

THANKS TO EX-PRESIDENT

Proposing a vote of thanks to the ex-President, the PRESIDENT paid a tribute to the splendid work that Mr. Sargeant had done during the past year. Every member of the Council would agree that the services he had rendered, especially in regard to the educational side of the Society's activities, had been and would be of lasting advantage to pharmacy. (Applause.) They all appreciated the kindness, courtesy, and ability with which Mr. Sargeant had carried out his duties during his year of office, and that appreciation would be recorded in the minutes.

Mr. NEATHERCOAT seconded, and said that at the end of Mr. Sargeant's twelve months they could say that he had kept his promise to do his best for the Society and had "delivered the goods." He had had a very strenuous and difficult year. Indeed, the year had been exceptionally difficult by reason of the controversy that had arisen, and the probability was that if a member could see what was ahead in such a year, he would say he would rather wait and let someone else undertake the job. (Hear, hear.) But Mr. Sargeant had manfully shouldered the work and done it well. (Applause.)

Mr. SARGEANT briefly acknowledged the compliment, saying that, although he was no longer the President, his interest in pharmacy would not be lessened by that fact. (Applause.)

ELECTION OF VICE-PRESIDENT

There were four nominations for the office of Vice-President—Messrs. Bilson, Skinner, Melhuish and Guthrie—the votes obtained by them being ten, five, four and one respectively.

The PRESIDENT pointed out that a second ballot would be necessary in this case, too; but Mr. Skinner at once withdrew, observing that nobody deserved the honour more than Mr. Bilson.

The PRESIDENT said it was a gracious act on the part of Mr. Skinner to withdraw in favour of Mr. Bilson, whom he then congratulated on his election.

Mr. BILSON returned thanks, mentioning that he had been treasurer of the Society for seven years. He also expressed appreciation of Mr. Skinner's action in enabling him to be elected without a further contest.

ELECTION OF TREASURER

Mr. GUTHRIE was unanimously elected as treasurer, and, in acknowledgment, alluded to the high standard set by Mr. Bilson while in the office.

DEATH

The PRESIDENT referred to the death of Mr. James Mackenzie, J.P., Edinburgh. He mentioned that Mr. Mackenzie, who was the senior member of the Society in business in Scotland, and died on May 12 in his eighty-ninth year, was for many years a well-known figure at annual meetings of the Society, at which he played the part of a candid critic. A loyal member of the Society, he took a keen interest in the business aspects of pharmacy. He was also a Fellow of the Scottish Society of Antiquaries, and for several years a member of the Executive of the North British Branch. It would be the wish of the Council, added the President, that a letter should be sent to Mr. Mackenzie's widow and family conveying sincere sympathy and condolence. The members indicated their approval of the suggestion by standing in silence.

WELCOME TO MR. BEARDSLEY

The PRESIDENT next welcomed Mr. Beardsley, the new member of the Council. Mr. Beardsley, he said, was not by any means an unknown man, for he had been active in connection with various London organisations, and his knowledge of these and his ability in business would be of considerable benefit to the Council. He trusted that all the members would do their best to make Mr. Beardsley's joining a pleasant occasion, and that their new colleague would continue to do his utmost for the advancement of pharmacy. (Applause.)

Mr. BEARDSLEY, responding, said that at first he felt rather as if his election was upsetting a family party, and he realised that the loss of Mr. Lloyd must have been felt by the Council. He hoped, however, that if the fortunes of war meant that he had to go at the end of three years, his loss would be felt equally. The interests of pharmacy were his interests, and he would do all in his power to promote them. (Applause.)

APPOINTMENT OF OFFICERS AND COMMITTEES

The PRESIDENT proposed the re-election of the Society's officers, and paid a cordial tribute to the work of Sir William Glyn-Jones, the secretary, now on his way home from Canada, for whom there was waiting a hearty welcome. He also expressed warm appreciation of the services of the assistant secretary, Mr. Gilmour, the editor of the "Journal," and the other members of the staff. The Council agreed to limit the number of members serving on each Committee to seven, in addition to the President and Vice-President. The Committees were appointed as follows:—

Benevolent Fund.—Miss Buchanan, Messrs. Antcliffe, Beardsley, Hardy, Lloyd, Parry, Simmons.

War Auxiliary Benevolent Fund.—The members of the Benevolent Fund Committee.

Finance.—Miss Buchanan, Messrs. Guthrie, Hines, Jack, Lloyd, Keall, Skinner.

Journal and Publications.—Messrs. Guthrie, Hines, Jack, Keith, Marns, Melhuish, Skinner.

Law.—Messrs. Antcliffe, Beardsley, Keith, Marns, Melhuish, Parry, Simmons.

Establishment.—Messrs. Keall, Keith, Melhuish, Neathercoat, Peck, Sargeant, White.

Education.—Messrs. Hardy, Jack, Melhuish, Neathercoat, Peck, Sargeant, White.

Organisation.—Messrs. Antcliffe, Hardy, Keall, Marns, Neathercoat, Simmons, Skinner.

Parliamentary Fund.—Messrs. Neathercoat, Parry, Sargeant, Skinner, White.

ELECTIONS AND RESTORATIONS

Several persons were elected members of the Society or student-associates. A number of persons were restored to the Society. The registrar reported registrations as apprentices or students.

BY-LAWS APPROVED

A letter was read from the Privy Council signifying that authority's approval of the amendments to the by-laws.

The following amendments have been forwarded to us by the Pharmaceutical Society. The references are to the sheets distributed to the delegates who attended the London meeting of delegates in March:—

Sheet 1

(1) Line 21, "February" inserted in place of "January."

(6) Line 11, after the words "in accordance with the syllabus," the following words have been inserted: "Provided that up to June 1, 1929, a certificate of attendance at an approved systematic course of instruction in chemistry of 300 hours, in botany of 60 hours, and in physics of 60 hours will be accepted."

Sheet 2

(12) Line 5, "1929" substituted for "1928."

(13) Line 16, after the words, "in accordance with the regulations," the following words have been inserted: "Provided that up to June 1, 1929, a certificate of attendance at an approved systematic course of instruction in chemistry of 300 hours, in botany of 60 hours, and in physics of 60 hours, will be accepted."

(15) (*b*) Line 3, "1929" substituted for "1928."

(19) Line 2, after the words, "a fee of twelve guineas," the following words have been inserted: "Which fee up to August 1, 1929, shall be deemed to include the fee for the Preliminary Scientific Examination."

Sheet 6

"Chemistry"—Line 2, "1929" substituted for "1928."

"Physics"—Line 1, "an oral examination" substituted for "an oral and a practical examination." Line 2, "1929" substituted for "1928." Line 2, "a written and a practical examination" substituted for "a written examination."

"Botany"—Line 1, "an oral examination" substituted for "an oral and a practical examination." Line 2, "1929" substituted for "1928." Line 2, "a written and a practical examination" substituted for "a written examination."

Sheet 7

"Pharmacognosy"—Line 2, "1929" substituted for "1928."

"Pharmacy"—Line 2, "1929" substituted for "1928."

Sheet 8

"Pharmaceutical Chemistry"—Line 2, "1929" substituted for "1928."

Sheet 9

"Forensic Pharmacy"—Line 2, "1929" substituted for "1928."

Registration of a New Zealand Pharmacist

The Council approved of the registration as chemist and druggist of Mr. John Weaver Ellis, Wembley, whose qualifications were obtained in New Zealand.

Education Committee

The Committee authorised the addition to the list of recognised institutions of 160 secondary schools recommended by the Board of Education. The Committee agreed to the recognition of Rochdale Municipal Technical Institute and Regent Street Polytechnic for specified subjects. It was reported that the Barnsley and District Holgate Grammar School had been added to the list of approved institutions. The report was adopted.

Finance Committee

The financial statement showed that receipts since the last meeting, including a balance of £22 14s. 5d., amounted to £5,527 8s. 2d., comprising the following items:—Subscriptions, £491 18s. 6d.; examination fees, £875 15s.; registration fees, £228 18s.; restoration fees and certificates of qualification, £5 6s.; penalties, £25 8s. 8d.; "Pharmaceutical Journal" advertisements, etc., £1,015 3s. 7d.; "Pharmaceutical Journal" S.A. subscriptions, £6 16s. 6d.; Pharmaceutical Press publications, 6s. 2d.; "Pharmaceutical Pocket Book," £75 19s. 4d.; "Year-Book," £7 13s. 10d.; Register of Chemists and Druggists, £8 19s.; B.P. Codex, 1923, £59 17s. 9d.; interest on investments, £452 11s. 5d.; transferred from deposit account, £2,250. Payments ordered at the last meeting amounted to £5,527 2s. 4d., and there was a balance left of 5s. 10d. The balances on the other accounts were:—Benevolent Fund (current account), £5 11s. 4d.; Benevolent Fund (donation account), £13 5s.; War Auxiliary Benevolent Fund, £240 19s.; Orphan Fund, £47 7s. 7d. The report recommended that accounts amounting to £3,934 1s. be paid, and that the action of the secretary in making payments amounting to £726 9s. 11d. be approved.

In moving the adoption of the report the Vice-President mentioned that there were now 500 additional subscribers to the Society, and they would probably be retained until the end of the year. He also expressed satisfaction at the fact that 450 copies of the "Pharmaceutical Pocket Book" had been sold. The report was adopted.

Benevolent Fund

The report of the Benevolent Fund Committee showed that six applications had been considered, and grants varying from £10 to £30 had been made. The following special contributions were acknowledged:—South Lincs. Branch, £2 6s.; Liverpool Chemists' Association (smoking concert), £127; R. J. & A. Atkinson, £4; W. J. Melhuish, 14s.; Plymouth Branch, 14s.; W. M. Bell & Co., Ltd., £1. The report was adopted.

War Auxiliary Benevolent Fund

The Committee reported that during the month four applications had been considered, and grants made ranging from £10 to £30. They also recommended a grant in one case of £60. The report was adopted.

British Pharmaceutical Conference

The report of the Conference Executive Committee stated that arrangements were practically complete for the issue of the programme and invitations. The following alterations to the programme were approved:—(1) The ladies' excursion, formerly fixed for Wednesday, July 29, was deleted; (2) instead of tea being served on the steamer on the trip to Ardlui, it was decided that marquees would be erected at Ardlui and high tea served there; (3) the informal dance fixed for the evening of July 29 was deleted.

Council Prizes

The secretary submitted the report of the examiners appointed to conduct the Council prizes competition, and it was announced that the winners were as follows:—Pereira medal, Harold Davis; silver medal, Charles Wilson Peck; bronze medal, G. C. Jennings.

Organisation Committee

The report of this Committee stated that Mr. E. T. Neathercoat had found it to be impossible to undertake the opening of the discussion at Glasgow on the Dangerous Drugs Acts and Regulations, and that Mr. Keall had consented to undertake the duty. There had been fifty applicants for books of tickets for the outing to Brighton on June 10, and it was probable that there would be an attendance of about the same number from the Brighton and District Branch. The Committee were in favour of a meeting of the League of Ex-Service Pharmacists being arranged during the Glasgow Conference.

Thanks to Mr. Bilson

The President referred just before the end of the proceedings to the excellent services Mr. Bilson had rendered as treasurer for so long, and Mr. Bilson suitably replied.

This concluded the public business.

Branch Meetings

Aberdeen.—The annual meeting of the Aberdeen and North-Eastern Scottish branch was held in the Palace Hotel, Aberdeen, on May 20. Preceding the meeting, an assembly of subscribers to the School of Pharmacy Fund took place, Mr. James Farquhar presiding. A legal document had been drawn up which placed the fund under the administration of five trustees appointed by the Association and branch executives, viz., Messrs. James Farquhar, W. F. Hay and Charles Simpson, Provost W. Stewart Taylor (Inverurie), and Dr. Tocher; the President of the Association and the chairman of the branch to act, if they so choose, as trustees during their period of office as President or chairman. At the annual meeting Mr. W. F. Hay presided. The chairman called upon Mr. James Farquhar to give his impressions of the delegates'

conference in London on March 18. Mr. Farquhar said that if the English delegates had presented their opinions like the Scottish contingent had done, much time and temper would have been saved; such meetings, if properly organised, could give great assistance to the council: when important subjects were brought up for discussion, and votes taken on them, such votes should be invested with statutory values by the council. Mr. W. F. Hay moved the following resolution (which was carried), to be forwarded to the council:—"That this branch of the Pharmaceutical Society is of opinion that the meeting of delegates held in London on March 18, 1925, was rendered largely ineffective through the opinion of the meeting on the various amendments to the Regulations not being ascertained by vote. It therefore suggests that at any future meeting of a similar character provision should be made so that the opinions of delegates could be ascertained by voting." Mr. Jack (Arbroath), member of the Pharmaceutical Council, then addressed the meeting. He deprecated statements that the meeting of March 18 was a failure: he knew better. He said the council were profoundly impressed by the Scottish reasoned scheme of co-ordination in studies; so much so that at their meeting next day they made important concessions on vital points; among others, the 4,000 hours' training was allowed to go forward for confirmation; the Scottish co-ordination system of study; and, finally, the council promised that the whole of the Regulations for the revised by-laws would be brought up for review and discussion prior to 1927. He thought that the title of "pharmaceutical chemist" should be substituted for that of "chemist and druggist." Mr. P. T. Clarke, Inverurie, then gave an interesting paper on *Experiences in Khaki.* He, a middle-aged pharmacist, answered the call for dispensers in 1915, and served for over three and a half years. Mr. A. S. Paterson, Buckie (who is now studying medicine), then gave his experiences. Concerning commissioned status, Mr. Paterson pointed out that the chemist and druggist qualification alone did not warrant it, but if to the pharmaceutical qualification a knowledge of sanitation, hygiene, water and milk analyses and bacteriology were added, such scientific equipment should certainly warrant commissioned rank. The reports of the secretary and treasurer were then read and approved, and all the branch officers and executive were re-elected.

Bolton.—A meeting of the Bolton Branch was held on May 21, at which Mr. H. Brindle, B.Sc., Ph.C., gave an interesting lecture on *The Uses of Carbon in Peace and War.* After having given a short account of the manufacture and uses of the different forms of carbon, Mr. Brindle described his experiences when on research work while trying to find a charcoal with great absorption power. Samples were shown of the different charcoals, including a specimen of German charcoal made from pine. British charcoal was made from birch and nut shells.

Dundee.—The annual meeting of the Dundee and East Central Scottish Branch was held recently, Mr. J. R. Milne (chairman) presiding. The finances were reported to be in a satisfactory condition. Messrs. McCall and Anderson reported as delegates to the meeting in London on the draft regulations. On the question of pharmaceutical Army service, the meeting decided to support the council, and appointed Mr. George Smith as delegate. Office bearers were elected as follows:—*Chairman,* Mr. J. R. Milne; *Vice-Chairman,* Mr. Charles Stephen; *Secretary,* Mr. John Anderson.

London (E.).—A meeting of the North-east Metropolitan Branch was held at St. John's Institute, Hackney, on May 28, to hear an address by Mr. H. B. Hammond, Sheffield, on *Quack! Quack!!* Mr. W. A. Scott (chairman) presided, and amongst those present were Messrs. F. Browne, J. Humphrey, T. Marns, A. R. Melhuish, J. Noble, and G. Tocher. The lecturer gave a survey of quackery from the earliest times, exhibiting a wide knowledge of the subject. The latter portion of Mr. Hammond's address was devoted to criticism of recent pharmaceutical politics, to which Mr. Melhuish later replied. Votes of thanks concluded the meeting.

Manchester.—The annual meeting of the Manchester and Salford Branch was held on May 7, Mr. Wm. Kirkby in the chair. The principal business was the election of the following representative committees:—*Manchester*:—Miss Roberts, Mr. Grier, Mr. Miller, Mr. Pidd, Mr. Hough, Miss Sargeant, Mr. Cleworth and Mr. Thorpe. *County Area*:—Messrs. Kirkby, Berry, Scholes, Bates, Burgess and Lawton. *Salford*:—Messrs. Simmons, Davison, Stout, and Meadows. Messrs. Dickson, Flint and Wyatt acted as scrutineers. A paper was then read by Mr. Brindle dealing with the title of *Chemist.* He discussed all the well-known and oft-repeated criticism relative to the reason why the title should not be allowed to be filched from registered chemists and druggists who have the sole legal right to the title. He said it was time some Parliamentary measure was put forward which would settle this vexed question in a manner which would lead to a better understanding among all the parties concerned. After a discussion, the following resolution was proposed and passed: "That this meeting is of opinion that the Pharmaceutical Society should extend the title pharmaceutical chemist, as purely a personal one, to all who have passed the Qualifying examination, and should take appropriate steps to unite with other interested bodies to seek a definition of 'chemist' with a view to safeguarding thoroughly all the interests of the members of the Pharmaceutical Society." At the conclusion of the business, the meeting was resolved into a social, the musical programme being provided by the following:—Misses Findlow, Tordoff and Miller, and Messrs. Franklin, Chapman and Hough.

Rochester.—A meeting of the Medway Branch was held recently, Mr. Wells presiding. Mr. Farrow (Old Brompton) reported on his visit as delegate to the meeting of the Pharmaceutical Society, Bloomsbury Square, on March 18, after which a resolution was passed noting with satisfaction that the President of the Society had written to branch delegates stating that "recent events have shown that the present constitution of the Society, so far as it provides for the approval of the by-laws and regulations, is unsatisfactory, and he is looking forward to the Society obtaining an alteration of Charter, and if necessary an Act of Parliament, whereby a meeting of branch delegates shall be substituted for the unsatisfactory general meeting required by the present conditions, and have given to them the statutory powers promised by the general meeting." The meeting considered also that the delegates' meeting was unsatisfactory, and would urge upon the Pharmaceutical Council the necessity in future for consulting delegates of the branches before any business of special importance is carried out. Mr. Farrow was appointed vice-chairman, and Messrs. Maundrell and Clark appointed as a general committee. The following were appointed as a social committee: Messrs. Smith, Gibbs, Peacock, and Black as hon. secretary.

Stoke-on-Trent.—The annual meeting of the North Staffordshire Branch was held on May 19, when the following officers were elected:—*Chairman,* Mr. S. G. Challinor; *Vice-Chairmen,* Messrs. E. M. Mellor and J. A. Dale; *Treasurer,* Mr. S. J. Mott; *Secretary,* Mr. W. E. Cropper. An interesting programme was arranged for the winter session, which will commence in September with a supper given by the President.

HAITIAN IMPORTS.—During the period October 1, 1923, to September 30, 1924, Haiti imported perfumes and toilet articles to the value of 464,000 gourdes, a decrease of 71,000 gourdes compared with the preceding fiscal year. Imports of chemicals and pharmaceutical preparations totalled 808 000 gourdes, two-thirds of which were supplied by the United States, but French proprietary medicines are on sale in all the pharmacies in Port-au-Prince, and a French Consular report states that by judicious advertising their sale could be materially increased. In addition, 4,375,000 kilos of soaps were imported, an increase of 709,000 kilos, but the total value of this class of imports showed a decline of 183,000 gourdes.

German Tariff Revision

In the motivation attached to the Bill for revising the German customs tariff, now before the Reichstag, it is stated that the rates of duty in the existing tariff of 1902 are out of date in consequence of technical developments, the altered relationship of the value of gold to that of goods, the transposition of the world's economic position, and the changes which have taken place in the German economic situation with regard to production and markets. The necessity of possessing a revised tariff as a basis for negotiations with other countries for the conclusion of commercial agreements is also emphasised, and attention is drawn to the protective measures recently adopted by neighbouring states. Further, the enormous advances in industrial production in foreign countries have to be taken into consideration, thus "arising from the requirements dictated by the war and then during the period when German competition was fettered, the chemical industry has been developed in several countries, partly by exploiting German discoveries." An examination of the new schedule shows that comparatively very many changes have been made in regard to chemical products. Not only have the rates of duty been raised, but no less than thirty-nine new headings have been included, covering chemicals which under the existing tariff are admitted duty free. This is explained by the fact that since the war conditions in the world markets have undergone a fundamental change. Formerly Germany's chemical industry was so far ahead of its foreign competitors that it could do without fiscal protection. The recognition of the importance of a highly developed chemical industry has led to the creation, in those countries which are Germany's chief competitors, of very efficient chemical works. To protect this industry, especially from the effects of German competition, high and in some cases prohibitive duties have been introduced, with the result that the German chemical industry has lost a large proportion of its former markets. Further, foreign countries are now making increasing efforts to find an outlet for their chemicals in Germany. It is very evident that these new duties are intended to serve as a means of securing concessions in negotiations with other countries, an assumption which is borne out by the statement that certain reductions in the proposed rates of duty may be possible, "particularly if the other contracting parties make corresponding concessions." The specific reasons for increasing the existing rates of duty, and for introducing new headings, are fully set forth in the motivation, often with a wealth of statistical data, including references to the duties levied in other countries. Thus, in regard to the new duties on oxalic and lactic acids, it is explained that in consequence of the development of competition in the neighbouring countries, as well as in England and in the United States, Germany has lost its preponderant position as a manufacturer of these two acids, which it held prior to the war. Again, with reference to imposing a duty on tin salts, it is stated that the manufacture of tin chloride is largely based on German patents, which in consequence of the Treaty of Versailles are now available to other countries. Further, the statement is made that the German chemical industry is able to supply the whole of the home requirements of salicylic acid, and prior to the war large quantities were exported. The two most important pre-war markets, the United States and England, have each built up an efficient industry and scarcely come into consideration as customers for salicylic acid; indeed, both countries now export large amounts. However, it is chiefly French competition that has to be faced, since production in that country is particularly encouraged by the State; consequently French manufacturers are in a position to quote lower prices than German firms, and, in addition, they are protected by a maximum duty of 480 francs. In fixing the duty at 100 marks (per 100 kilos), due consideration has been paid to the fact that salicylic acid is chiefly utilised by chemical works for the manufacture of other products. The proposed new rates of duty, as well as the existing charges under the tariff of 1902, for a number of goods of interest to our readers are given in the following table, in marks per 100 kilos :—

Tariff No.	Classification	Present duty	Proposed duty
		Marks per 100 kilos	
166	Fatty oils imported in barrels :		
	Colza oil ; rape seed oil	12*	4
	Linseed oil	4*	3
	Beechnut, arachis, niger, sesame, sunflower oil	10*	4
	Sesame oil, denaturated	5*	free
	Arachis oil, denaturated	10*	free
	Olive oil, pure	10*	10
	Olive oil, pure, denaturated ..	2*	free
	Cottonseed oil	12.50*	4
	Cottonseed oil, denaturated ..	5*	free
	Wood oil	4*	free
	Castor oil	9*	9
	Castor oil, denaturated	2*	free
	Soya bean oil	10*	7.50
	Soya bean oil, denaturated ..	4*	free
	Other fatty oils	10*	4
	Fatty oils not enumerated, denaturated	4*	free
250	Stearic acid ; palmitinic acid ; margaric acid ; crude paraffin (except soft paraffin), and similar substances, not elsewhere specified, crude or purified, for the manufacture of candles	10	13
251	Soft paraffin	10	13
257	Pure glycerin	free	5
266	Alkali metals, and other metals not specified	free	15
269	Phosphorus, white and red ..	free	10
272	Hydrochloric acid	free	0.50
273	Sulphuric acid ; sulphur trioxide ..	free	0.50
275	Boric acid ; borax	free	5
276	Oxalic acid ; potassium oxalate ..	8	12
278	Lactic acid, and lactates	free	20
279	Tartaric acid	8	20
	Citric acid	8	30
283	Barium chloride	free	4
284	Potassium iodide ; sodium iodide ; ammonium iodide	free	100
287	Soda, crude	0.90	1
	Soda, calcined	1.50	2
288	Sodium bicarbonate	1.50	2
289	Caustic soda ; caustic potash ; solid or liquid	3.50	4.50
290	Potassium carbonate	2	3
292	Chloride of lime ; bleaching lyes ..	1	2
	Barium peroxide ; hydrogen peroxide	1	10
293	Potassium chlorate (not imported in capsules)	free	4
297	Ferrous sulphate ; zinc sulphate ..	free	0.50
298	Ammonium, potassium, sodium alum ; aluminium sulphate ; alumina-alum ; sodium aluminate ; aluminium chloride ; aluminium acetate ; artificial alumina ; purified bauxite	3	4
299	Chrome, iron, copper alum	free	4
300	Lead oxide (litharge)	free	5
305	Sodium chromate ; sodium bichromate ; potassium chromate ; potassium bichromate ; chromic oxide ; chromic hydroxide ..	free	4
306	Potassium manganate ; potassium permanganate	free	6
307	Water glass (sodium and potassium silicate)	1	1.50
308	Potassium ferrocyanide ; potassium ferricyanide ; sodium ferrocyanide ; sodium ferricyanide ; potassium cyanide	8	12
309	Acetates, not elsewhere specified ; acetone oil	1	1.50
310	Lead acetate ; solution of lead acetate	1	4
311	Cream of tartar, refined ; sodium-potassium tartrate	8	20
313	Magnesium carbonate, artificial ..	free	4
315	Zinc salts, not elsewhere specified ; zinc chloride, solid or in solution	free	2
316	Calcium carbide ; aluminium carbide, and other metallic carbides not elsewhere specified	4	5

* Temporarily admitted free of duty.

Tariff No.	Classification	Present duty	Proposed duty
		Marks per 100 kilos	
317A	Arsenious acid; arsenic acid, and compounds of arsenium not elsewhere enumerated	free	10
317B	Sodium sulphhydrate; sodium thiosulphate	free	2
317C	Sodium chlorate	free	3
317D	Phosphates, not elsewhere enumerated:		
	Sodium diphosphate	free	2
	Others	free	10
317E	Barium carbonate, artificial ..	free	2
317F	Calcium chloride, magnesium chloride	free	1.50
317G	Rare earth metals and their compounds	free	100
317H	Salts and compounds of mercury, not elsewhere enumerated ..	free	100
317I	Salts of tin and tin compounds, not elsewhere enumerated	free	30
317K	Salts of gold and platinum and their compounds, not elsewhere enumerated	free	1500
317L	Salts and compounds of silver, not elsewhere enumerated	free	500
317M	Salicylic acid; salicylates, not elsewhere enumerated	free	100
317N	Tannin; extracts of galls	tannin: free	50
	If imported for dyeing	—	2
317O	Ferro-silicon with over 50 per cent. silicium	free	3
317P	Chlorinated hydrocarbons, not elsewhere enumerated	free	5
317Q	Bismuth salts and compounds, not elsewhere enumerated	free	300
317R	Tungstic acid, and its salts, not elsewhere enumerated..	free	100
	Molybdic acid; vanadic acids, and their salts, not elsewhere enumerated	free	200
317S	Salts and compounds of chromium, not elsewhere enumerated ..	free	20
317T	Formic acid, and formates, not elsewhere enumerated	free	10
317U	Hexamethylenetetramine	free	60
317V	Metalloids, acids, salts, combinations of metalloids or of metalloids and metals, not specifically mentioned	free	free
324	Red lead; white lead	1	5
326	Zinc oxide	2	5
	Lithopone	2	3
327	Cinnabar	10	20
354	Synthetic perfumes (vanillin, coumarin, heliotropin, and similar substances used for preparing perfumes)	80	120
355	Perfumed fats, ointments and pomades; perfumed fatty and mineral oils:		
	In containers weighing, inclusive of contents,		
	at least 5 kilos	20	20
	less than 5 kilos	100	120
375	Gelatin	5	10
378	Wood tar; peat tar creosoto ..	free	70
380	Alkaloids (organic bases of the vegetable kingdom), alkaloidal salts and compounds:		
	Cinchona alkaloids, and their compounds; theobromine	free	free
	Others	free	1000
381	Collodion; celloidin	24	30
383	Bromoform	free	50
	Iodoform	free	200
388	Medicaments and other pharmaceutical products, not elsewhere specified:		
	Prepared	40	300
	Not prepared	40	200
	Pharmaceutical products containing ether or alcohol are chargeable at the same rate as brandy.		

Westminster Wisdom

By the "C. & D." Parliamentary Representative.

ADJOURNMENT

The House of Commons on May 28 adjourned until June 9.

METHYLATED SPIRIT LICENCES

Commander Bellairs asked the Chancellor of the Exchequer, on May 28, the estimated revenue obtained by the 10s. licence duty on sellers of methylated spirits; whether, in view of the need for more revenue and the increased use of the spirit for potable purposes, the Treasury have inquired into a duty on the spirits sold; and if he can state what is the present consumption?

Mr. Guinness: The yield of duty from methylated spirit retailers' licences for the year ended March 31, 1925, was £9,682, and the quantity of mineralised methylated spirits sent out by makers in Great Britain and Northern Ireland during the same period was 1,388,448 bulk gallons. I am not aware that the drinking of methylated spirits is on the increase, and, as the member is aware, a duty on methylated spirits does not form part of the Chancellor of the Exchequer's Budget proposals.

EXPORTS OF MORPHINE

The President of the Board of Trade was asked on May 27 to which countries British-made morphine was exported in 1924, and the amount and value of the morphine so exported to each country; and whether the figures include exports through the post. In reply, Sir W. Joynson-Hicks gave a table of the amounts exported, including that sent by post, to the different countries. He could not distinguish between British and foreign morphine, but practically the whole amount exported was of British manufacture. He was unable to give the value of the exports. Summarised, the exports during 1924, in ounces, were as follows:—

Europe	60,079.97
Asia	12,504.89
Africa	1,401.12
America	9,127.66
Australasia	5,757.37
	88,871.01

The export figures for a series of years are as follows:—

1920	... 322.672 oz.	1923	... 98,831 oz.
1921	... 77,364 oz.	1924	... 88,871 oz.
1922	... 131,658 oz.		

Licences for the export of morphine are only issued after the production of an import certificate issued by the Government of the importing country in the form approved by the League of Nations, or in the case of exports to countries which do not issue such certificates, upon information which establishes the *bona fides* of the application. A condition that the morphine shall not be re-exported has not been proposed by the League of Nations, and is not insisted on when the British Government is satisfied that adequate control over exports is exercised by the importing country.

Business Changes

MR. J. E. TAYLOR, chemist and druggist, has taken over the business of Mr. J. W. Gardam, 49A Peckers Hill Road, Sutton, St. Helens.

THE BRITISH DIAMALT CO. (H. A. & D. Taylor, Ltd.) have closed their office at 9 Holborn Viaduct, London, E.C.1. Communications should be addressed to Sawbridgeworth.

MOSQUITOES IN THE BRITISH ISLES.—The College of Pestology has issued a warning that there seems reason to believe that there will be a serious plague of mosquitoes this year. The College is seeking information as to those areas in which the mosquito has made its appearance and particularly concerning districts where the mosquito was previously unknown.

Association Affairs

Belfast.—A committee meeting of the Ulster Retail Drug Trade Association was held in the Chemists' and Druggists' Rooms, Belfast, on May 19. The President (Mr. J. C. Culbert) presided, and other members present were :—Messrs. W. J. Rankin, J. Taggart, Samuel Orr, J. McDowell, S. J. Hudson, W. T. Gordon, E. J. Roberts, D. A. Taylor, W. E. Wilson, C. Abernethy, J. Guthrie, R. I. Edwards, H. Johnston, R. Kells, S. Suffern, and the secretary. Discussion arose as to what is supplied when essence of peppermint is asked for. It was mentioned that a cheaper form of this drug is now on the market, made with isopropyl alcohol. It was decided to supply spt. menth. pip. B.P., this being also the custom of the trade in England. A report of the Business Committee was read relative to closer co-operation with the local wholesale section and the Proprietary Articles Trade Association, and referring to the small membership from the North on the latter body. It was thought that more members should join the P.A.T.A., and so eventually have a direct representative on the Council. The committee approved the scheme and directed that further details be obtained.

Ealing.—The annual meeting of the Ealing Pharmacists' Association was held on May 19. The President (Mr. H. R. Storm) in the chair. Mr. R. F. Edkins (Vice-President and treasurer) gave his report, showing a balance in hand. The following officers were elected :—*President*, Mr. R. F. Edkins; *Vice-President*, Mr. F. A. Lawman; *Secretary*, Mr. Sidney R. Hughes; *Treasurer*, Mr. J. Elsworth Alcock; *Social Secretary*, Mr. Arnold Roberts; *Auditor*, Mr. Herbert Skinner; *Sports Secretary*, Mr. F. R. Bateson; *Committee*, Ealing, Messrs. H. A. Irwin, T. Marns, W. T. Robinson and R. J. Morton Sennitt; Chiswick, Messrs. H. L. Ironmonger and W. T. Stoyle; Acton, Messrs. E. P. Egelstaff and A. C. Roskrow; Hanwell, Mr. H. R. Storm; Southall, Mr. G. Edward; Brentford, Messrs. W. H. Argles and W. J. Blair. Afterwards the programme for the coming session was considered. It was felt that the Association had lost ground, as the attendance at meetings had been poor. It was decided to send out a *questionnaire* to members and potential members asking them what type of Association would most suit their interests. The meeting closed with a vote of thanks to Mr. H. R. Storm, retiring President.

Glasgow.—The annual business meeting of the Glasgow Pharmacy Club was held on May 15, Mr. Robert Dickson presiding over a good attendance. The secretary's report dealt with the activities of the various sections during the year, and showed that a healthy interest was being maintained in all. Miss Bain (treasurer) presented a satisfactory balance sheet. The office bearers for the current year were elected as follows :—*Honorary President*, Mr. George Mackay; *President*, Mr. Robert Dickson; *Vice-Presidents*, Mr. W. J. Moffat and Mr. James Abbott; *Librarian*, Mr. J. H. Ramsay; *Treasurer*, Miss Mary Bain; *Secretary*, Mr. James McGillivray.

Guild of Public Pharmacists.—The annual meeting was held at 17 Bloomsbury Square on May 27. As nominations for the Council only equalled the vacancies, all members of the last Council continue in office for another year; the secretary and registrar, the auditors and the scrutineers were all re-elected also. The annual report was presented by the President (Mr. F. A. Hocking). Membership was somewhat larger than previously, but the report added that much remains to be done in this direction. The principal events of the year were passed in review. The meeting was thrown open to discussion. Mr. Gibson suggested that the administrative ability of chief dispensers would depend less on their qualification than on their experience. He asked that steps should be taken to secure simplicity in dealing with the rebate on spirit for manufacturing purposes, and urged that, seeing that by the new Irish Pharmacy Act it was proposed to compel institutional dispensers to be qualified, alterations of the British Charter and Acts of Parliament should include a like proviso. Miss Edmonds asked if the suggested provisions as to taking apprentices in institutions would render the practice more common than at present. Mr. Langford Moore and the President explained the Council's policy in the matter. Mr. Lindsey drew attention to the death of Mr. Duff, who had done yeoman service to the Public Pharmacists' Association. Miss Sproule thought that in the matter of taking apprentices the pharmacist's interest should be safeguarded, so that no institution should be able to take them where a pharmacist was not employed. Miss Bedell thought that a good many special hospitals could not be ruled out, as her experience was that they did a good deal of general dispensing, as well as that suited to their particular object. The President replied; and it was resolved that the Council should take into consideration the proposed alteration in the Charter and Pharmacy Acts as opportunity arose. Votes of thanks concluded the proceedings.

London, W.—The annual meeting of the Western Pharmacists' Association was held at 192 Oxford Street, W., on May 21, the President (Mr. C. A. Noble) in the chair. The annual report of the general secretaries showed that the Association consists of seven honorary and 381 ordinary members. During the session twenty new names had been added, and the net increase of membership was sixteen. The report accorded thanks to the President, the sub-district officers, Mr. G. A. Tocher (who had carried out much routine work), and others. The principal meetings of the session were also passed in review. The social secretary's report revealed a small loss on the social events of the year, which, however, it was not intended to run with a view of making profit. The treasurer (Mr. H. S. Watson) reported a balance in hand of £168 6s., in spite of the reduction of the annual subscription from 7s. 6d. to 6s. This sum almost equalled the average balance in the days of higher subscription. The meeting voted the sum of £10 10s. to the Benevolent Fund of the Pharmaceutical Society, a like sum to the Orphan Fund, and £2 2s. to the Early Closing Association. A cordial vote of thanks was accorded to Mr. Watson for his services as treasurer, and previously as President of the Association, and the announcement of his retirement was received with regret. Mr. Watson briefly replied. Mr. G. A. Hamilton was unanimously elected to the vacancy in the committee caused by Mr. Watson's resignation. The other three retiring members were re-elected without a contest, and were thanked for past services. Mr. Harry Martin responded. The President, Mr. A. R. Melhuish, and Mr. G. Roe were re-nominated as representatives of the Association on the London Pharmaceutical Committee, and the auditors, Mr. W. Wilkinson and Mr. I. T. Lloyd, were re-elected. The proceedings closed with a vote of thanks to the officers of the Association.

Scottish Federation.—A meeting of the Executive Council of the Scottish Pharmaceutical Federation was held in Edinburgh recently, Mr. Walter G. McNab (President) in the chair. The scrutineers' report with reference to the recent election of the Executive Council for the year 1925-26 was read, and the chairman declared the following members elected : J. R. Reith, Cults, Aberdeenshire; C. Simpson, Aberdeen; C. Stephen, Dundee; J. Jack, Arbroath; W. G. McNab, Gorebridge; P. Nisbet, Leith; J. H. Fisher, Dunfermline; B. Cartwright, Galashiels; A. A. Dick, Bellshill; D. G. Mackenzie, Glasgow; P. M. Duff, Glasgow; A. McEwan, Cathcart; J. Caldwell, Glasgow; J. A. Russell, Greenock. Mr. A. Murray, Pollokshields, was provisionally appointed to represent the Inverness and Northern area. Mr. H. Graham Macmillan, C.A., Glasgow, was re-elected secretary and treasurer.

Women Pharmacists.—At a recent committee meeting of the National Association of Women Pharmacists the following officers were elected for the ensuing year :—*President*, Mrs. Irvine; *Vice-President*, Miss Hooper; *Secretary*, Miss Dennis Hayes; *Employment Secretary*, Miss C. A. Andrews; *Treasurer*, Miss Sproule; *Auditors*, Miss Braithwaite and Miss Sharples; *Committee*, Mrs. Freke, Miss Hughes, Miss Boyes, Miss Edmond, Miss Hodgkinson, Miss Anstey, Miss Cross.

Trade Report

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling, packing, etc. Qualities of chemicals, drugs, essential and fixed oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities.

42 Cannon Street, E.C.4, June 4.

THIS has been a broken week on the markets and, with a tendency to prolong the Whitsuntide holiday, business was not seriously resumed until Wednesday. In drugs, a further decline in new crop cascara sagrada has to be noted, and another sharp advance in Norwegian cod-liver oil, said to be due to poor Finmarken fishing. Menthol is rather easier after last week's forced sale. Good pale squill and areca nuts are scarce on the spot. Refined camphor is inactive so far as Japanese slabs are concerned. Among essential oils, little of interest has transpired. More inquiry has been shown for American peppermint oil and Japanese mint oil for forward shipment. Ceylon citronella is a shade easier, and lemon oil for forward shipment is dearer. Conditions in pharmaceutical chemicals remain much as they were, the demand being far from active. Aspirin is in easier tendency; bromides remain firm and hexamine steady. Milk sugar is again cheaper and phenolphthalein irregular. Among industrial chemicals the general tone continues steady but quiet, with a slight reduction in alum, sal ammoniac and yellow potash prussiate; potash chlorate is scarce and dearer. Acetate products are steady. In coal tar products, carbolic acid crystals are a trifle steadier; toluol is fairly active and pitch lower. More activity has prevailed in the vegetable oil group, and a number of items have appreciated in value, particularly in the palm oil section; coconut and soya are firm and dearer; castor is still idle; turpentine and wood oils are cheaper. B.P. almond oil is lower.

Higher	Firmer	Easier	Lower
Cloves (Zan. forward) Coconut oil Cod liver oil Glucose Lemon oil (forward) Maize starch powder Palm oil Rubber	Soya oil Steadier Acid oils Carbolic acid crystals Mint oil	Alum Ammon. chlor. Citronella oil (Cey.) Menthol Potash prussiate Sal ammoniac Wood oil	Almond oil (B.P.) Ammonia sulphate Cascara sagrada (1925 crop) Milk sugar Pitch Rice starch cryst. (Cont.) Turpentine

Exchange Rates on London

The following is a list of Continental and other exchange rates against the pound sterling on London prevailing at 4 p.m. on Wednesday :—

Place	Method of Quoting	Par of Exchange	May 27	June 3
Amsterdam	Fl. to £	12.107	12.10¾—12.11	12.09⅝—12.09⅞
Berlin ..	M. to £	20.43	20.42—20.45	20.40—20.42
Brussels ..	Fr. to £	25.22½	98.30—98.40	100.60—100.65
Calcutta ..	Per rup.	24d.	17 31/32d.—18d.	18d.—18 1/32d.
Constntnple	Pst. to £	110	880—895	895—910
Greece ..	Dr. to £	25.22½	281—285	291—294
Hong Kong	T.t. $	—	26⅞d.—27 5/16d.	27d.—27⅝d.
Italy ..	Lire to £	25.22½	122¼—122¾	119⅞—120¼
Kobe ..	Yen	24.58d.	20⅝d.—20 11/16d.	20 11/32d.—20 13/32d.
Lisbon ..	Escu.	53¼d.	2 13/32d.—2 7/16d.	2 13/32d.—2 7/16d.
Madrid ..	Pts. to £	25.22½	33.51—33.53	33.38—33.40
Montreal	$ to £	4.86⅔	4.86—4.86¼	4.85⅝—4.85⅞
New York	$ to £	4.86⅔	4.86 3/16—4.86 5/16	4.85¾—4.85⅞
Oslo ..	Kr. to £	18.159	28.76—28.80	28.90—28.95
Paris ..	Fr. to £	25.22½	96.95—97.05	97.75—97.80
Singapore	Per dol.	—	28 3/32d.—28 7/32d.	28 3/32d.—28 7/32d.
Switzerland	Fr. to £	25.22½	25.12¼—25.13½	25.06—25.08
Vienna ..	Sh. to £	24.02	34.45—34.55	34.48—34.55
Warsaw ..	Zloty to £	25.22½	25.25—25.40	25.20—25.35

Cablegrams

NEW YORK, June 3.—Business is dull. Cartagena ipecacuanha is lower at $1.95 per lb., and Mexican sarsaparilla has been reduced to 21c. per lb. Oregon balsam of fir is cheaper at 95c. per U.S. gallon. Mercury is firmer at $82.50 per flask.

BERGEN, June 3.—The total catch of cod for the whole of Norway since the opening of the season amounts to 55,100,000, against 62,400,000 for the corresponding week of last year, and the yield of steam-refined medicinal oil is 85,936 hectolitres, against 105,549 hectolitres last year. The market for finest steam-refined non-freezing oil is again dearer, and 139s. per barrel, c.i.f. London, is now asked for 1925 crop.

Crude Drugs, etc.

ALMOND OIL.—English pressers have reduced the price of sweet B.P. oil to 3s. 8d. per lb., and 2d. less for cwt. lots; pallid is 3s. 10d. Peach or apricot kernel oil is 2s. 3d. to 2s. 5d. per lb., as to quantity.

ALMONDS sell steadily and prices tend higher. Sellers of Persian on spot quote 165s. to 170s. per cwt., which is below the parity of Bari and Sicily almonds; sales of current Majorca have been made at 150s. c.i.f.

ALOES.—Curaçao in cases is firm, with black capey offering at 55s., and up to 80s. is quoted for good liver.

ANTIMONY has been irregular and rather quieter as regards regulus, although English has remained at about £70 per ton. Chinese in warehouse is obtainable at between about £60 and £61, while parcels for arrival were quoted £54 to £55 c.i.f., and terms for shipment were at around £51.

ARECA is entirely wanting on the spot, and for forward shipment 55s. per cwt. c.i.f. is quoted in five-ton lots.

BALSAM TOLU.—Good hard bright is offered at 5s. per lb. on the spot.

BISMUTH is very firm, all available supplies being closely held. There has been a continuous demand, and the convention price to regular customers for not less than 5-cwt. lots is still 7s. 6d. per lb.

CAMPHOR (REFINED).—Japanese slabs are slow of sale at 2s. 9d. per lb. on the spot.

CANNABIS INDICA.—Bombay tops are quoted at 25s. per lb., and African at from 2s. 5d. to 2s. 6d. per lb.

CASCARA SAGRADA.—New crop for August-September shipment is cheaper, sellers quoting 51s. per cwt. c.i.f. in five-ton lots; on the spot, one-year-old is quoted at 65s., and two-year-old at 105s. per cwt.

CLOVES are quiet but steady, Zanzibar offering on the spot at from 10d. to 10½d. per lb., as to quality. To arrive, August-October shipment has been sold at 9½d. to 10d. c.i.f. and October-December 9½d. to 10d. per lb. c.i.f., being dearer. The landings in London during the week ending May 30 amounted to 100, and the deliveries 217, leaving a stock of 13,117, against 36,930 in 1924 and 17,263 in 1923. The landings so far this year have been 6,777, against 34,883 in 1924, and the deliveries 8,664, against 17,330 bales in 1924.

COCOA BUTTER.—Prime English is 1s. 4d. per lb. in lots of not less than one ton.

GLUCOSE is dearer, American water white having advanced to 26s. 6d. per cwt., duty paid, landed terms for June-July delivery.

IPECACUANHA.—The "Strabo" from Monte Video has brought 59 bales to London.

MACE OIL.—Expressed is quoted at 10s. per lb.

MAGNESIUM has been in fair demand, and home makers maintain their terms on the basis of about 3s. 9d. to 4s. 3d. per lb. for small ingots or sticks, while powder ranges from 4s. 9d. to 6s. per lb.

MENTHOL.—Under the influence of last week's public sale, Kobayashi-Suzuki has declined to 43s. per lb. on the spot. To arrive, May-June shipment is quoted at 41s. 6d. c.i.f., and January-March 1926 shipment at 35s. c.i.f.

MERCURY is unchanged, while new business has been very light, inquiries on home account having been held up by the holidays. Current quotations may be called £13 12s. 6d. to £13 17s. 6d. per bottle on the spot, less the usual discount. There seems to be an ample supply

available, but stocks are well held, holders being encouraged in their conservative attitude in view of the absence of any important first-hand offers either from Spain or Italy.

PEPPER is steady the value of fair black Singapore being 5¾d. per lb.; to arrive, August-October and October-December shipment is 5¾d. c.i.f. London. White Muntok is 10d. to 10¼d. per lb. spot. May-July shipment 10⅛d., and August-September shipment 10⅜d. c.i.f. London. Singapore is 9⅞d. per lb. spot.

PIMENTO is quiet at 4d. per lb. on the spot, and to arrive, August-September shipment is quoted at 31s. 6d. per cwt. c.i.f.

SEEDS.—There is no change to report in the seed market, which still remains quiet at the following prices:—ANISE.—Spanish, 62s. 6d.; Russian, 55s.; and Levant, 50s. CANARY SEED.—Mazagan remains firm, with sellers at 29s., and shows very little business; good bold Spanish is held for 36s. per cwt. CORIANDER SEED.—Sellers of Morocco quote 18s. per cwt. on the spot. CUMIN SEED has sellers at 52s. 6d. for Malta and 50s. for Morocco. DILL SEED is steady at 20s. 6d. per cwt. FENUGREEK SEED.—Morocco is held for 19s. per cwt. on the spot HEMPSEED.—Manchurian is 17s. per cwt. LINSEED.—Morocco, 25s. per cwt. MUSTARD.—English, 32s. 6d. to 35s. per cwt.

SHELLAC is steady on spot, usual standard TN orange quality offering at 250s.; fine second orange is 300s., superfine 350s., pure button 300s., AC cakey 250s. per cwt. For delivery, sellers quote August at 232s. 6d., and October at 227s. 6d. To arrive, TN for May-June shipment is 225s. c.i.f.

SQUILL is scarce on the spot, and good white quality is unobtainable; some inferior thirds offer at 17s. 6d. per cwt.

STARCH PRODUCTS, ETC.—Dutch maize starch powder (cornflour) is dearer at 19s. 6d. per cwt., American is 19s. 6d., and pearl starch 19s. per cwt. net on the spot. American maize starch crystals is 21s. 6d. net, and Dutch crystals is 22s. 6d. per cwt. English rice starch crystals is 36s., German 27s. 3d., and Dutch 26s. 9d. per cwt. Dutch farina is 19s. 9d. for superior, and to arrive is 19s. per cwt. f.o.b.; superior Dutch (maize) dextrin is 26s. 6d., and No. 2 24s. 9d. American canary dextrin is 23s., and white 22s. 9d. per cwt., ex store, London.

WAX, BEES', remains firm, with good East African block offering at £8 12s. 6d. to £8 15s. per cwt.; arrivals comprise about ten tons Portuguese.

Essential Oils

THE essential oil market is exceptionally quiet, and little of interest passing at the moment. American Wayne County peppermint oil is rather more inquired for on the spot, also H.G.H. Speculative sellers ask an advance of 5s. for new crop natural oil. Ceylon citronella oil is a shade cheaper. Lemon oil for forward delivery is higher.

ANISE, STAR.—The spot price is nominal at 2s. 6d. per lb., but to arrive 2s. 10d. c.i.f. was cabled from China on Wednesday.

BERGAMOT is at present offered at wide-apart prices: on the spot 14s. 9d. to 15s. 9d., and c.i.f. 14s. 9d. to 17s. per lb.

CASSIA is quoted on the spot at from 8s. to 8s. 3d. per lb. for 80 to 85 per cent. c.a., and to arrive 7s. 2d. to 7s. 6d. c.i.f. is wanted.

CITRONELLA.—Ceylon is cheaper at 2s. 7½d. per lb. on the spot and 2s. 6d. c.i.f. to arrive.

LEMON is quoted at a wide range of prices. On the spot the position has been cleared somewhat by the liquidation of large parcels of distressed oil, and values now range from 3s. 3d. to 3s. 9d. per lb. To come forward, quotations are from 3s. 7d. to 4s. 1d. per lb. c.i.f.

LEMONGRASS.—Cochin is quoted on the spot at from 4s. 3d. to 4s. 6d. per lb. as to quantity and seller.

LIME.—West Indian distilled is more inquired for, and now getting into a small compass. Spot value is 8s. 9d. per lb. Hand-pressed is about 18s. per lb.

MINT.—Japanese dementholised oil (Kobayashi-Suzuki) is firmer at 14s. 6d. per lb. for five- to ten-case lots and 14s. 9d. for single cases. Rather more business has been done forward, including May-June shipment at 13s. 9d. c.i.f. Continental ports, October-December at 11s. 6d., December-February at 11s., and January-March at 10s. 6d. c.i.f.

NUTMEG.—Foreign essential is quoted at from 7s. 3d. to 7s. 6d. per lb.

PEPPERMINT.—A few cases of American natural have been sold on the spot at about 57s. 6d., and for a further limited quantity probably 60s. per lb. would have to be paid. Sellers of new crop oil for August-September shipment now quote 30s. c.i.f.—an advance of 5s. H.G.H. is entirely wanting. A few cases for delivery in about four weeks are offered at 70s. London terms.

Reports have been circulated by growers to the effect that dry cold weather and frosts have done a lot of damage to the new crop in the West. It is also stated that the distillation will be late, or later than it was last season.

SASSAFRAS.—Genuine American is quoted at from 6s. to 6s. 6d. per lb. in cases on the spot.

SPEARMINT.—American natural is quoted on the spot at 20s. per lb.

The following arrivals of essential oils have taken place from the countries named during the period May 28 to June 2 inclusive:—Almond (Fr.), 10 cs.; cajuput (Jv.), 30 cs.; camphor (Ch.), 42 dms.; cassia (H. Kong), 25 cs.; citronella (Jv.), 8 dms., (U.S), 6 dms., (Cey.), 5 dms.: eucalyptus (Aust.), 2 cs.; geranium (Fr.), 14 dms., (Réunion), 3 dms.; lavender (Fr.), 32 pkgs.; lemon (It.), 88 cs., 20 x ½ cs.; lime (U.S.), 1 cs.; mint (Jp.), 130 cs.; orange (B.W.I.), 42 cs., (Fr.), 1 cs.; pimento (B.W.I.), 20 cs.; sandalwood (B. Ind.), 16 cs.; wormseed (U.S.), 5 cs.; various (U.S.), 19 cs., (Fr.), 2 cs.

Pharmaceutical Chemicals, etc.

THE usual few alterations in spot values are recorded this week, most of these movements being towards lower prices. Business has been patchy, with the market far from active.

ACETANILIDE continues to be quoted at last week's cheaper prices of 1s. 7d. to 1s. 8d. per lb. for B.P. crystals and powder; business slow.

AMIDOPYRIN remains slow of sale on spot, with dealers' prices quoted from 13s. 9d. to 14s. per lb.

ASPIRIN.—The position is rather obscure here. Spot prices are quoted from 2s. 7¾d. to 2s. 9d. per lb., according to quantities, while sales are recorded at about 2s. 7d. per lb. Some opinions favour rather cheaper prices shortly.

BARBITONE continues to be quoted on spot at about 11s. 6d. per lb., but business would no doubt be accepted at a lower figure.

BENZALDEHYDE (.03) is of little interest, with dealers offering in the region of 3s. per lb.

BENZOIC ACID (B.P.).—Scarcity of supplies is the chief feature, and some dealers have listed their price up to 2s. 10d. to 2s. 11d. per lb. for material practically free from chlorine.

BENZONAPHTHOL is steady at the quoted price of 3s. 6d. per lb. for small lots; market flat.

BETANAPHTHOL continues to be offered at about 3s. to 3s. 2d. per lb. for resublimed, with business slow.

BROMIDES.—The higher prices mentioned last week are fully maintained, with the market closing firm. Continental offerings are supporting the spot position: Ammonium, about 2s. 6d. per lb.; potassium, B.P. crystals and granular, about 2s. per lb.; sodium, B.P. crystals and granular, about 2s. 2d. per lb.

CALCIUM LACTATE shows a slight hardening on spot, and most holders are asking 1s. 7d. to 1s. 9d. per lb., according to quantity.

CHLORAL HYDRATE is finding fair business as quoted at 3s. 5d. to 3s. 7d. per lb., according to quantity, for duty-paid crystals.

CITRIC ACID (B.P. crystals).—Business appears to have been fairly brisk of late, with dealers' prices steadily maintained at about 1s. 4d. to 1s. 4½d. per lb., less 5 per cent., according to quantity. Fair-sized quantities have arrived from France this week.

CREOSOTE (B.P.) remains quiet in demand, with dealers' prices about 2s. 2d. per lb. for quantities, in demijohns.

CREOSOTE CARBONATE is seldom in request; dealers' prices vary from 6s. 6d. to 7s. 6d. per lb. for small lots.

GUAIACOL CARBONATE is not steady and business is very slow, quoted on spot at about 7s. 6d. per lb.

HEXAMINE.—Spot is 2s. 7d. to 2s. 8d. per lb. for crystals. The market is steady at these prices for Continental make, which is offered f.o.b. at 3s. 9½d. to 3s. 11d. per kilo. Some cheap offers of powder have been made on the spot.

HYDROQUINONE continues to find fair business, with prices steady at 3s. 11d. to 4s. 2d. per lb., according to quantity.

LACTIC ACID (B.P.) is steady as quoted at about 2s. 8d. per lb., with isolated offers at cheaper rates: technical, 50 per cent. by weight, £42 10s. per ton, net, spot.

MENTHOL (SYNTHETIC).—English makers quote 31s. 6d. per lb.; 5 lb., 27s. 6d.; and 20 lb., 25s. per lb.

METHYL SALICYLATE, in carboys, is quoted from 1s. 6d. to 1s. 7d. per lb.; small lots, in bottles, at about 1s. 10d. per lb.

METHYL SULPHONAL is seldom called for; dealers continue to quote at about 18s. 6d. per lb.

MILK SUGAR.—Further reductions in the prices of American and Dutch are recorded. B.P. finest Dutch, in cases of two-cwt., 78s. per cwt.; five cases 76s. 6d.; ten cases 76s. per cwt.; B.P. American, in 200-lb. barrels, 75s. per cwt.

PARAFORMALDEHYDE (100 per cent. powder) is very dull, and prices as quoted are unsteady: powder in kegs, about 2s per lb.

PARALDEHYDE is steadier as quoted last week: on spot, 1s. 1¾d. to 1s. 2d. per lb. in carboys, 1s. 4d. in cases, and 1s. 6d. in lb. bottles.

PHENACETIN.—The spot market is steadier after the recent continued reductions in prices: quoted at 4s. 5d. to 4s. 7d. per lb., the cheaper price for large lots.

PHENAZONE, as quoted on spot at 6s. 3d. to 6s. 5d. per lb., appears to be fairly steady.

PHENOLPHTHALEIN is irregular on quotation, with some holders down to 4s. 4d. to 4s. 6d. per lb.; other quotations are at 4s. 8d. to 4s. 9d. per lb.

POTASSIUM PERMANGANATE (B.P.) is available on spot as quoted by dealers at 7d. per lb., in drums.

RESORCIN is steady, with a small business passing: dealers quote 4s. 6d. to 4s. 9d. per lb.

SALICYLIC ACID (B.P.).—The position shows no further change. Large quantities are quoted at 1s. 2⅞d. to 1s. 3⅛d. per lb., and smaller lots 1s. 3½d. to 1s. 4d. per lb.

SALOL is quoted at about 3s. 8d. per lb., with a shade less for quantities.

SODIUM BENZOATE (B.P.) is fully held on spot as quoted close up to 1s. 11d. per lb., with limited supplies.

SODIUM SALICYLATE (B.P.) is steady, with a fair business passing: powder, in quantities, 2s. 1d. to 2s. 2d. per lb.; crystals, 2s. 2d. to 2s. 3d. per lb.

SULPHONAL remains dull, with dealers' prices from 12s. 9d. to 13s. per lb.

TANNIC ACID.—B.P. *leviss* is steady but quiet, with dealers' prices at 2s. 10d. to 2s. 11d. per lb.

TARTARIC ACID.—B.P. crystals have been called for fairly well this week, with dealers' prices steady at about 11⅞d. to 1s. 0½d. per lb., less 2½ per cent.

TERPIN HYDRATE is quiet at 1s. 7½d. to 1s. 8½d. per lb., spot.

THYMOL.—Dealers' prices for spot parcels tend to harden and few offers are now made below 15s. 6d. per lb., and some are higher than this.

VANILLIN (100 per cent. from cloves) is available on spot at about 24s. per lb., and slightly less for quantities.

The following are makers' prices (per lb., unless otherwise quoted):—Acid camphoric, 21s. to 19s.; iron ammonium citrate: B.P., 2s. 3d. to 1s. 11d.; U.S.P., 2s. 2d. to 2s.; green, 2s. 11d. to 2s. 6d.; mercurials: red oxide, 5s. 4d. to 5s. 2d.; corrosive sublimate, 3s. 9d. to 3s. 7d.; white precipitate, 4s. 8d. to 4s. 6d.; calomel, 4s. to 3s. 10d.; potassium citrate, 2s. 2d. to 1s. 10d.; sodium citrate, B.P.C. 1911, 1s. 11d. to 1s. 7d.; U.S.P. ditto, 2s. 2d. to 1s. 10d.; sodium nitroprusside, 16s.; sodium sulphide, pure recryst., 1s. 2d. to 10d.; ether, 720, 1s. 5½d. to 1s. 1½d.; ether, 720 purif., ex s.v.m., 2s. 3d. to 1s. 11d.; potassium acetate, 1s. 4d. to 1s. 1d.; terebene, 2s. 3d. to 2s.; acid phosphoric, 1,750, 1s. to 11d.; cadmium sulphate, pure, 4s. 3d. to 4s.; bismuth carbonate, 12s. 6d. to 10s. 6d.; subnitrate, 10s. 8d. to 8s. 8d.; citrate, 12s. 3d. to 10s. 3d.; salicylate, 11s. to 9s. per lb.

Industrial Chemicals, etc.

London, June 3.

CONDITIONS in this market remain quiet, but the general tone is steady; one or two slight reductions in prices are recorded.

ACETIC ACID remains quiet, with dealers' prices unchanged; 80 per cent. technical, £39; 80 per cent. pure, £40 per ton, in barrels; 99 to 100 per cent. glacial, pharmaceutical, £67 per ton, in glass demijohns, ex wharf, London.

ACETONE has been in little demand, but prices are steady at about £74 10s. to £75 per ton, for B.G.S., in drums.

ALUM is rather cheaper, with dealers offering spot lump in casks at £9 to £9 5s. per ton.

AMMONIA ALKALI (58 per cent. light alkali), from British makers for home consumers, is unchanged at £6 15s. per ton, f.o.r., in free bags.

AMMONIA ANHYDROUS has been quite active for small lots on spot at 1s. 4½d. per lb., for 99.95 per cent., in loaned cylinders.

AMMONIA SULPHATE is lower, the quotation for June-August delivery to the home trade being £12 5s. per ton delivered, basis 21.1 per cent., a reduction of 49s. per ton.

AMMONIUM CHLORIDE shows a slight fall, with dealers quoting at about £27 per ton, in casks, spot, for grey galvanising.

ARSENIC.—The demand over the holidays was idle, and there is no improvement in the outlook, the accumulation of unsold stocks in the United States being still considerable. The Cornish mines are nominally quoting about £21 10s. per ton, f.o.r.; Japanese is nominally £23, c.i.f., for forward shipment.

BARIUM CHLORIDE is available from dealers on spot at about £10 to £10 10s. per ton for 98 to 100 per cent. prime white crystals.

BARYTES is steady, but not active, with prices ranging from £3 7s. 6d. to £6 5s. per ton, according to quality.

BLEACHING POWDER is seldom called for, with dealers' prices in the region of £9 10s. per ton for 35 to 37 per cent. available chlorine.

COPPER SULPHATE.—Export business is very limited, so far as new orders are concerned, albeit a certain amount is being dispatched against old contracts; makers' quotations range from about £24 15s. to £25 5s. per ton, f.o.b., for casks, less 5 per cent.

EPSOM SALT is steady, but not active, with dealers quoting £4 10s. to £4 12s. 6d per ton for commercial quality, in bags; Continental offerings for quantities for shipment slightly cheaper.

FORMALDEHYDE is in very poor demand, with quotations down to £40 to £41 per ton, and at this figure the position is far from steady.

GLAUBER'S SALT.—Dealers' prices for commercial quality in single bags is steady at about £3 10s. per ton; business quiet.

LEAD PRODUCTS.—Conditions in this market remain very quiet; lead acetate, spot, brown, £42; white, £43 10s. per ton; red lead, £39; litharge, £40; dry white lead, £38 10s.; ground in oil, £40 10s per ton, c.i.f. London.

OXALIC ACID is quieter, but dealers' prices are steady in the region of 3¾d. per lb.

POTASH CAUSTIC.—Spot business continues for small lots at about £30 per ton, in drums, for 88 to 92 per cent. solid.

POTASSIUM CARBONATE is finding a fair business, with dealers' prices steady; 90 to 92 per cent., £24; 96 to 98 per cent., £26 10s. per ton, in casks.

POTASSIUM CHLORATE has advanced considerably during the past few weeks, and spot prices are now quoted up to 4¼d. to 4½d. per lb.; German makers are said to be unable to quote.

POTASSIUM PERMANGANATE is steady, with commercial quality in drums, on spot, offering at about 6d. per lb.

POTASSIUM PRUSSIATE remains dull, and dealers' prices are a shade cheaper at about 7d. per lb. for yellow.

SAL AMMONIAC shows a slight further reduction in prices for some grades; business has been fair; dog-tooth crystals, £39; medium, £36; fine white crystals, about £22 per ton, in casks, spot.

SODIUM ACETATE is not in much demand, and the spot price of £21 per ton, ex store, might be shaded.

SODIUM HYPOSULPHITE has been in fair demand, and prices keep steady; pea crystals, photographic, £13 10s. per ton, in one-cwt. kegs; commercial quality, in casks, £9 per ton; British makers' price for four-ton lots of pure crystals, £14 per ton.

SODIUM NITRATE remains dull and unsteady; 96 per cent., £12 12s. 6d.; refined, £12 17s. 6d. per ton, f.o.r. docks, London; Manchester prices same as London; Bristol prices slightly cheaper.

SODIUM NITRITE is steady, but in small request; 100 per cent. basis is about £24 per ton, London docks.

SODIUM SULPHIDE is seldom inquired for; quoted at 60 to 62 per cent. solid at £13 7s. 6d., and broken at £14 per ton, in drums.

SULPHUR continues very steady, the market being well under control, and current supplies are fairly well absorbed; American or Sicilian crude is about £5 7s. 6d. to £5 10s. per ton, delivered Manchester, while quotations for refined stand at £9 12s. 6d. to £9 15s., delivered, ex London warehouse.

COAL TAR PRODUCTS, ETC.—Pitch shows a further fall on quotation, with the market idle; other items are unchanged, with business quiet and small in volume. ANILINE OIL continues steady, with some inquiry on the market; British makers quote at 7½d. to 7½d. per lb., naked, at works. BETANAPHTHOL remains dull, with prices about 11½d. to 1s. per lb., delivered. TOLUOL is very steady, and fairly active; pure, 1s. 9½d. to 1s. 10d.; 90's, fully 1s. 6½d. per gallon. XYLOL shows little life; pure, 3s. 3d.; commercial, 2s. 3d. per gallon. CREOSOTE OIL has not livened up, and prices remain at last week's level; ex works, 6d. to 6⅛d.; and f.o.b., 6¾d. to 6⅞d. per gallon, in bulk quantities. CARBOLIC ACID crystals is somewhat steadier this week, although the market quotation for large quantities remains at about 4½d. per lb., f.o.b., in bulk packing. CRESYLIC ACID is steady, with moderate business passing, at about 1s. 8½d. to 1s. 10d. per gallon for 97 to 99 per cent. NAPHTHALENE, according to district, is quoted from £13 to £14 10s. per ton, for flakes or crystals; market still dull. Pure METHYL ALCOHOL to come forward is quoted at £50 per ton, in drums, ex wharf; market practically lifeless. HEXAMETHYLENE remains quiet, with the spot price about 2s. 9d. to 2s. 10d. per gallon. PYRIDINE is rather quieter, but so far the price is maintained in the region of 19s. 6d. per gallon. PITCH remains very flat, and the market quotation is now down to 40s. per ton, f.o.b. East Coast.

Fixed Oils, etc.

THERE is a generally brighter and firmer tone throughout this market, and a number of items show a fair appreciation in value. Business has been on a larger scale. ACID OILS.—Business is better, and market steadier; coconut and palm kernel, 40s. 9d.; groundnut, 37s. 6d.; soya, 34s. 9d; all spot. CASTOR.—Market still lacks business; English pharmaceutical, 65s.; first pressings, 60s.; second pressings, 59s.; all spot, in barrels, in not less than one-ton lots. COCONUT.—Market firm, at higher rates; deodorised, spot, 53s.; Ceylon, 47s. 6d., c.i.f.; Cochin, 60s., c.i.f. COTTON.—Business quiet, and values unchanged; deodorised, 52s.; common edible, 50s.; soapmaking, 48s; crude, 44s.; all spot. GROUNDNUT.—Very quiet, and values so far unchanged; deodorised, 57s., spot; crude Oriental, 52s., c.i.f. PALM KERNEL is firm; deodorised, 50s.; crude, 44s.; all spot. PALM.—A further advance in spot values is recorded, with the market closing firm; Lagos, 41s.; softs, 40s. 9d; mediums, 42s. 9d; hards, 42s. 6d.; bleached, 43s. 6d.; all spot. RAPE.—Last week's prices stand firm; refined, 56s.; crude, 53s., all spot. SOYA.—Dearer on a firm market; deodorised, 49s. 6d.; crude, 45s.; all spot. LINSEED (raw, naked) opened steady to firm at higher rates after the holidays; on spot, 45s. 9d.; June, 44s. 9d.; June-August, 44s. 10½d.; September-December, 44s. 10½d.; boiled oil, spot, 48s. 9d.; Hull, on spot, 45s. 6d.; June-August, 45s. 4½d.; September-December, 45s. 4½d. TURPENTINE has further sagged, due to a slow demand over the holidays, although the Savannah market has been maintained at the same level for a week or so past. Sufficient supplies, moreover, have been coming forward to make consumers feel quite comfortable, and the immediate outlook seems in favour of buyers. Last week's deliveries were much heavier, amounting to 2,206 barrels, this making an aggregate since the beginning of the year of 38,662 barrels, compared with 39,993 barrels same period in 1924. The warehouse stocks were returned at 15,257 barrels, which, together with 7,433 barrels afloat, made the London visible supply 22,690 barrels against 11,027 barrels at the same date in 1924. The margin between spot and distant delivery is now comparatively small, at about 2s. per cwt.; market on spot closes lower at 70s.; June 69s.; July-December, 68s. 9d. WOOD.—Hankow, in barrels, on spot, is quiet at 58s. per cwt.

LUBRICATING, MINERAL, BURNING OILS, ETC.—This market remains steady throughout, with business rather slow. Lubricating oils are steady, and a slight hardening is possible on spot. BENZOL.—Conditions remain firm, with supplies limited; crude 65's, 1s. 3d.; standard motor 1s. 8d., and pure 1s. 11d. per gallon, ex works, in tank wagons. FUEL OIL.—Market remains dull; 950 gravity, £4 2s. 6d.; 890 gravity, £4 17s. 6d. per ton, ex tank. PARAFFIN WAX AND SCALE.—Market steady, and business quiet. Wax, 3d. to 5d. per lb., according to melting point, in bags; scale unchanged at 25s. to 26s. 6d. per cwt., c.i.f. U.K. port. PARAFFIN OILS—Market steady at unchanged rates; American standard white, 1s; water white, 1s. 1d. per gallon, barrels free; Russian prime white kerosene, 6½d. to 7d. ex tank, 7¼d. buyers' barrels filled free, 10¾d. per gallon barrels free, ex wharf, London. PETROLEUM JELLIES.—The market as quoted is not steady; business dull; white to snow white, £56 to £60; amber and yellow, £23 to £26; red vet, £20; dark stiff green, £17 10s. per ton, drums and barrels free. WHITE OILS show no improvement; Special No. 1, £29; No. 1, £27; No. 2, £25; No. 3, half-white, £24; No. 4 half-white, £18 per ton, drums and barrels free, ex wharf, London. SOLVENT NAPHTHAS are steady, but not active; 90 to 160, about 1s. 3½d. to 1s. 4d. per gallon; heavy solvent naphtha, 90 to 190, 11½d. to 1s. per gallon. LUBRICATING OILS.—The spot market is steady, although business is still quiet; pales, £11 10s. to £23s. 10s.; reds, £13 10s. to £23 10s.; dark cylinders, £13 10s. to £33; filtered cylinders, £21 5s. to £35 per ton, less 2½ per cent., ex wharf, London. SOLUBLE OIL and CUTTING COMPOUNDS, £20 to £29 per ton, net. No. 1 RUSSIAN OIL is steady at £18 5s. per ton, less 2½ per cent., ex wharf, London.

German Chemical Dividends

THE Farbwerke vormals Meister Lucius & Brüning A.G., in Höchst-on-Main, report that during 1924 sales abroad were in many instances hampered by high duties, import prohibitions and similar measures; however, on the whole the development of business was not unsatisfactory. The year closed with a gross profit of 34,576,855 marks, leaving a net profit of 14,709,861 marks. A dividend of 8 per cent. is being paid on 176,000,000 marks original shares, and 3½ per cent. on 1,200,000 marks preference shares. The Badische Anilin und Sodafabrik A.G., in Ludwigshafen, report a gross profit of 39,080,594 marks, and are paying 8 per cent. on 176,000,000 marks original shares out of a net profit of 14,880,440 marks.

Japanese Mint Oil and Menthol Estimates

V. BERG & SONS have received the following from a most reliable source in Japan:—"The rough estimate of this year's forthcoming crop of mint oil and menthol is expected to be 400,200 lb. in Sambi, and 865,200 lb. in Hokkaido, i.e., a total of 1,265,400 lb. As you will see by the undermentioned figures, the yield in Sambi is expected to be double that of last year, while Hokkaido remains almost the same.

SAMBI.

	Menthol.	Oil.
July/Aug. ..	28,800 lb. (480 cs.)	31,200 lb. (520 cs.)
Sept./Oct. ..	76,800 lb. (1280 ,,)	83,400 lb. (1390 ,,)
Oct./Nov. ..	86,400 lb. (1440 ,,)	93,600 lb. (1560 ,,)
192,000 lb. (3200 cs.)	208,200 lb. (3470 cs.)	Total 400,200 lb. (6670 cs.)
Total crop of 1924		200,000 lb.

HOKKAIDO.

	Menthol.	Oil.
Sept./Nov...	337,200 lb. (5620 cs.)	528,000 lb. (8800 cs.)
	Total 865,200 lb. (14420 cs.)	
Total crop of 1924		800,000 lb.

"We would draw your special attention to the fact that the above figures are only a rough estimate on the basis of the area planted this year, and they may, of course, be altered on account of the weather, etc., in the future."

American Oil of Peppermint

A FURTHER report on American peppermint oil states: The market for the old crop oil has been gradually receding and has now reached $13.25 per lb. (about 55s.), but there are indications that this steady decline has been, temporarily at least, halted. This is due to several reasons—the foremost being that demand is rather more active, and gradually consumers are being forced to come into the market because of their rapidly dwindling stocks. For the first time for some weeks fairly important sales have been concluded for goods

be shipped from New York, and this is an indication of e trend of events. Further to this there have been cording to cable information from New York, heavy osts in the producing district, which have had the effect hardening forecasts of the new crop prices. According to eliminary reports from producing districts the spring has en very backward, and no growth of plants is as yet show-g above the surface of the ground. Undoubtedly, how-er, a larger acreage will appear this year, owing to recent mine prices.

Chinese Antimony in 1924

HE amount of antimony produced by mines in China was ss in 1924 than in the years immediately preceding. The 924 floods, which were especially heavy in Hunan province, om which comes almost all of this ore, had much to do ith the drop in production. Nearly all mines are equipped nly with old-style pumps, and the unexpected water inflow as too much for them. Military movements and bandits also ampered production and transportation. However, the fact at the price average was the highest for several years aused mining to be pushed when operations were possible. n April and May the unusually strong position the market ad then reached slackened a little, but improved in June. weakened again somewhat during July and August, fter which there was a sharp and continued rise. The emand continued strong and prices upward up to the nd of the year. The fact that the total output of Chinese ines in 1924 was less than in 1923 was due, besides the terruptions, to the decline in the quality of ore, and the act that new veins were not worked. The principal anti-ony mines in China are at Sikwangshan, Hunan province, here work is carried on almost throughout the year. The nnual production at Sikwangshan is 8,000 tons of antimony egulus and 500 tons of oxide. Mines of lesser importance re in the Anhwa, Supu, Loshan, and Tungan districts of Hunan. The total annual output of these smaller mines s about 2,000 tons of crude antimony and 600 tons regulus.

Malaya Spice Trade

MALAYA, which in former days was famous for its pepper, utmegs, cloves and other spices, has now ceased to be a roducer of any importance, but continues, through the ctivities of business houses in Singapore and Penang, to be n important distributing centre for the spices of neighbour-ng islands, states the Malay States Information Agency in ondon. The following table of spice exports in 1923 and 1924 hows a more or less constant quantity but a considerable ncrease in values :—

—	1923		1924	
	Quantity Tons	Value £	Quantity Tons	Value £
Areca	63,789	1,458,953	62,191	1,747,947
Pepper	18,468	696,795	19,591	967,890
Nutmegs ..	1,291	85,178	1,265	167,974
Cloves	780	86,940	926	118,799
Mace	164	27,006	157	43,668
Coriander seed ..	865	15,404	1,140	17,758
Cardamoms ..	122	18,588	124	17,706
Cubebs	91	16,067	66	9,093
Cassia	46	1,180	83	2,296
Ginger	29	1,225	31	1,523
Cinnamon ..	26	676	36	837
Total ..	85,671	2,408,102	85,610	3,095,491

The outstanding feature in the spice market in 1924 was the hundred per cent. rise in the average price of nutmegs over the average for the preceding year, but mace and pepper also showed a considerable appreciation in value.

Siam's Drug Resources

SIAM possesses several forest products which may be emphasised as having, or likely to have, some interest to those in the drug and essential oil trades. For many years past Siam has contributed not a little to the drug supply of other countries, most of her exports going to China, although a portion is shipped direct to Europe. The chief products exported are cardamoms, gamboge, benzoin, krabao seeds and pungtalai seeds. Of these items, krabao seeds (*Hydnocarpus anthelmintica*) are of special interest. Krabao seeds have been used in the East for the treatment of leprosy since ancient times. The oil from the seed is closely allied to true chaulmoogra oil from *Taraktogenos Kurzii*, but it is only in recent years that its value in the treatment of leprosy has been fully recognised by European and American doctors. The Siamese Government Laboratory in Bangkok is now producing considerable quantities of ethyl esters, and distributing them to various centres where lepers are under treatment. It has been estimated that the trees from which krabao seeds are taken, growing along two rivers near Bangkok, should give an average crop of fruit sufficient to yield over 23,000 litres of ethyl esters a year, and it is further stated by the Siamese Ministry of Commerce that these trees are but a fraction of the total number in the country. Still more abundant is a species of *Taraktogenos*, viz. *T. subintegra*, the oil from which seed is now under investigation. In one comparatively small area, not far from Bangkok, there is a forest containing some millions of these trees, and it is recognised that if this oil should prove efficient in the treatment of leprosy, Siam could supply nearly enough to treat all the lepers in the world. Pungtalai seeds are the product of *Sterculia lychnophora* and are exported in fairly large quantities to China. When these seeds are steeped for some time in water they swell and form a jelly-like mass, which is said to make a refreshing drink. It is possible that they have properties like the African kola-nut, which comes from a related tree. Siam could also produce large quantities of cajuput oil. In the circles of Pattani and Nakon Sri Tammarat there are extensive tracts covered with almost pure growths of *Melaleuca Leucadendron*, the tree which yields the oil, but up to the present only small experiments in extraction have been made. There are certain other plants which may yield valuable drugs, but as yet insufficient is known about them. The best-known resin exported from Siam is damar; other resins are also obtained from several trees, but at present are only used locally. The two common pines, *Pinus Merkusii* and *Pinus Khasya*, are known to yield good turpentine, but there are difficulties in the way of transport from the regions where they grow. *Pinus Merkusii* is found covering wide areas, some of which will, no doubt, be developed when means of transport are improved. There is also the possibility of developing a trade in commercial alcohol, either by the distillation of the fermented liquid from the inflorescence of the nipa or toddy palm, or by wood distillation.

Java Exports

FIGURES are now available of the total exports, with countries of destination, of the principal products of Java, of which we reproduce those of special interest to our readers (amounts in kilos) :—

CUBEBS

—	1923	1924
Great Britain	2,699	1,112
Singapore	174,785	165,404
Holland	27,055	38,456
Japan	—	62
United States	18,862	6,157
Other countries	70	—
Total	223,471	211,191

—	White Pepper		Black Pepper	
	1923	1924	1923	1924
Great Britain ..	903,000	845,000	631,000	2,229,000
Singapore	—	—	1,540,000	2,905,000
Australia	69,000	158,000	—	—
Canada	—	—	13,000	46,000
Germany	—	—	433,000	279,000
Holland	286,000	639,000	980,000	1,496,000
Italy	—	—	94,000	448,000
Egypt	—	—	5,000	39,000
China	—	—	266,000	386,000
United States ..	873,000	1,134,000	3,841,000	5,467,000
Other countries ..	76,000	103,000	169,000	94,000
Total ..	2,207,000	2,879,000	7,972,000	13,389,000

Of the total consignments of black pepper to Great Britain, 347,000 kilos in 1923, and 1,404,000 kilos in 1924, were shipped in transit, the corresponding figures for Holland being 891,000 kilos (1923) and 1,145,000 kilos (1924).

DAMAR

—	1923	1924
Great Britain	220,000	96,000
Singapore	14,000	72,000
France	210,000	104,000
Germany	101,000	135,000
Holland	129,000	127,000
Spain	122,000	75,000
Japan	101,000	151,000
United States	1,171,000	1,488,000
Other countries	5,000	2,000
Total	2,140,000	2,304,000

Correspondence

Letters for this section should be written on one side of the paper only. Correspondents may adopt an assumed name for purposes of publication, but must in all cases furnish their real name and address to the Editor.

Basic Principles

SIR,—In your issue of May 23 (p. 767) "Plodder" enumerates some "points" for the conduct of a successful business. I would like to add that among the real "basic principles" is one that is readily forgotten—the need to remain staunch and sincere to the finer ideals of pharmacy. These ideals are being distorted, and in their place has grown a small and narrow perspective, and a strong desire to imitate the grocer and the general bazaar. If present-day pharmacists were to work on more ethical lines, and adopt a more professional attitude, their pharmacy practices would flourish. Cleanliness and neatness are axioms, certainly, and they will always contribute towards success everywhere; but one of the most important "basic principles" that contribute mainly to progress and success is to bear in mind, follow, attain and maintain the aims and purpose of one's work, whatever it may be. And the purpose of the pharmacist is certainly not to place pharmacy in danger of ridicule.—Yours, etc.,

Erith. HENRY LOVETT, M.P.S.

Chemists Dispensing Spirits

SIR,—I have read with interest your article on the above subject in you issue of May 30. I refer particularly to your concluding remark, namely, "We think the matter is one which Parliament might well take into consideration with a view to some alteration in the law." Whatever may be the case in England and Wales, we in Scotland would very strongly deprecate any legislation on this subject. I enclose a copy of the "Good Templar," which reprints from the "United Free Church Record" of April 1925 a statement by me made at the request of the editor of the "Record." The article is intended to define clearly the actual position in Scotland in view of questions raised under the Temperance (Scotland) Act, 1913. This matter has required very considerable attention, chiefly because of a dispute between parties, one side having an interest in showing that there would be public hardship in regard to spirituous preparations for medicinal use in any area where a "No-licence" veto was in operation. In order that the police might know the position and as far as possible to restrain public discussion of a matter which we deemed contrary to the public interest to have so discussed, we sent a communication to all the police authorities in Scotland, of which I enclose a copy. This, I may say, served an extremely useful purpose, and prevented a great deal of trouble which might otherwise have arisen. The matter is still more fully dealt with by me in a statement made at an evening meeting of the Society on December 19, 1923, a full abstract of which appears in the "Pharmaceutical Journal," December 29, 1923, p. 662. I would respectfully direct your attention to the closing paragraph of that statement, and particularly to the words:—

It is extremely difficult to foresee all possible circumstances under which there might be an emergency demand for some alcoholic liquor in acute illness or accident in which, in the judgment of a medical practitioner, life itself may be in imminent danger. It is, therefore, vastly to be preferred to leave the concession undefined, and trust to the honour of the medical profession and the pharmaceutical profession to act in a worthy manner under the concession. To strictly define a concession is immediately to restrict liberty by introducing rigid, mechanical regulations that may defeat the very purpose of the concession. . . . If the concession is clearly defined, it may encourage a tendency to slackness and a too ready resort to giving a supply, if it can be technically brought within the precise terms of the concession. Persons wanting supplies really for beverage purposes might also attempt to press for a supply by showing a plausible condition coming within the actual letter of the concession. It is better to leave the chemist absolutely free to form his own judgment as to whether the conditions in particular cases warrant his giving a supply, even when ordered by medical prescription. This is the position at the present moment, and there is no evidence that it does not work satisfactorily.

From special knowledge and experience we are satisfied that any attempt to produce new legislation on this subject would be to introduce still more harassing regulations and interferences and prohibitions prejudicially affecting the recognised practice and liberties of dispensing chemists, and we believe it is wiser to avoid such consequences.—I am, yours faithfully,

J. RUTHERFORD HILL,
Edinburgh. Resident Secretary.

Panel Doctor's Dispensing

SIR,—I quite agree with "Xrayser II" that the dispensing should be taken out of the doctors' hands and confined to those who are qualified to do it, or at any rate that in all surgeries where dispensing is done a qualified dispenser should be employed; but with regard to the weights and measures it is possible that I did not express my meaning clearly, or that "Xrayser II" has overlooked the point of my argument. The unconscious irony of a situation in which medical men can enter a witness-box during the prosecution of a chemist and gravely give evidence that a grain or a fraction of a grain of a practically innocuous medicament makes a serious difference to a patient, at a time when probably half the dispensing doctors in the country do not possess balances which will weigh to anything like a grain with accuracy, would be humorous were it not so aggravating. It is admitted that a doctor can always retort, "I meant it for that"; but if he meant ten grains, and his scales only weighed five, it is obvious that he is not giving what he meant. I have no doubt that "Xrayser II" in the course of his long experience has come across dispensaries from which weights and measures were totally absent, solids being guessed into the palm of the hand and shot into the bottle, liquids measured by the graduations on the bottle or in the case of poisonous preparations dropped from the neck of the container. Taking these dispensaries as a class, the work is carried out under conditions which would never be tolerated for a moment in a pharmacy open for retail sales, and therefore some form of inspection should be instituted.—Yours faithfully,

INSPECTION FOR ALL (25/5).

Manufacturers' Special Offers

Referring to the note regarding Messrs. Gibbs' Ivory Castle samples scheme, Mr. W. Adamson informs us that his window display was completed before the offer was made of samples with carriage-paid order. He also points out that in the third line we have inadvertently stated that the coupons are sent *from* instead of *to* the manufacturers.

Subscribers' Symposium

For interchange of opinion among "C. & D." readers and brief notes on business and practical topics.

Perhaps!

A fatality has just occurred in which the victim is reported to have died through drinking eucalyptus oil. We may now await the usual question in the House of Commons as to whether, in view of the fatal consequences attaching to the drinking of eucalyptus oil, it is intended to include it in the list of drugs under the Dangerous Drugs Acts. *Reductio* (3/6).

Grey Oils

Some time ago, while doing *locum* duty, I was asked for "Grey Oils," and on making inquiry learnt that the formula was:—Tr. benzoin. co., tr. guaiaci amm., spt. ætheris nit., aa p. æq. Charge, 1s. for ʒj. (c.v.). The purchaser—a dear old soul, aged between seventy and eighty—noticing my ignorance on the matter, informed me that a teaspoonful taken in a wineglass of water was a fine thing for the back.—*E. A. C.* (2/6).

Warning

Might I warn the trade, through your columns, of an individual who selects cameras on approval to be sent to a known business house, in this case a wine-and-spirit merchant, intercepts the messenger *en route*, and clears off with the cameras? He is a man of about thirty, medium height, dark, clean-shaven, sporting type, wearing grey overcoat (or raincoat) and brown suit. He poses as a member of the firm, and as a further inducement offers some bottles of whisky at a low rate, reading off from a pocket book a list of broken cases.—*H. G. G.* (2/6).

What's in a Name?

The statement that "Cofman" is Yiddish is a joke made in Germany, bearing the Teuton stamp of clumsiness without the saving grace of wit. Your correspondent, evidently a would-be Max Müller, might as well claim the town of Cofman in the U.S.A. as a Yiddish settlement. Names such as Coman, Cosman, Roman, etc., are very common in Roumania. "Xrayser II's" contention of "Cofman" originating from Cofferman is in keeping with the Roumanian word "dusman" (enemy), which is derived from "Deutscher mann" (German yokel), a fact proved equally true in reality as well as in theory.—*Carol A. Cofman-Nicoresti.*

Dispensing Difficulties and Notes

Potassium Iodide in Ether

SIR,—Can you suggest any method of dispensing the following :—

Potas. iodid. 2 per cent. in ether meth.

I find it is almost insoluble, and apparently a little iodine is set free.—Yours faithfully,

S. J. (17/3).

[Potassium iodide being insoluble in ether, the only way to compound the prescription is to dissolve the iodide in about twice its weight of water before introducing it to the ether. The aqueous solution of iodide sinks to the bottom, but when shaken up remains diffused for an appreciable time. When fairly fresh ether is employed there is no liberation of iodine.]

An Iodine Paint

SIR,—We had difficulty in producing an elegant preparation according to the following prescription, and shall be glad of advice in regard to dispensing it :—

Tr. iodi	♏ x.
Potas. iodid.	gr. iij.
Menthol	gr. v.
Glycerin.	ʒij.
Aq. ... ... ad	℥j.

Yours faithfully,

G. M. (18/5).

[Place the tincture of iodine, potassium iodide, and menthol in a mortar along with half a grain of saponin and three grains of powdered tragacanth, and triturate together; then, having mixed the glycerin and water, add about two drachms to the ingredients contained in the mortar and quickly rub all together; then add gradually with continued stirring the remainder of the glycerin and water. This procedure makes a presentable paint. Synthetic menthol is more easily manipulated in a combination such as this.]

Burnt Sugar as Catalyst

SIR,—I shall be greatly obliged if you can explain the following :—In a solution containing

Acid. tart.	ʒij.
Ferri et am. cit.	ʒss.
Sacch. ust.	ʒij.
Aq. ... ... ad	Oj.

there is invariably an immediate precipitate of a dark brown colour. No two of the ingredients give a precipitate until the third is added. Suspecting that the sacch. ust. was somehow responsible, I used an aniline dye in place of it. No immediate precipitate was given, but standing over the week-end a precipitate appeared.

Faithfully yours,

H. H. (29/3).

[The burnt sugar is not the cause of the precipitate, but accelerates its formation. With the tartaric acid and ammonio-citrate of iron there is a considerable precipitate formed in the solution in the course of time, and this reaches its maximum in about four days. After a further two days, it redissolves and leaves the solution colourless. At this stage the burnt sugar may be added without inducing a further precipitate. When first prepared there is a gradual formation of insoluble iron tartrate, which, after formation, reassumes the double salt form and redissolves. A preservative will be required if the solution is intended to keep. Half-strength chloroform water could, for example, be employed instead of plain water.]

Legal Queries

M. D. (30/5).—The wording of the anti-mosquito cream label would not involve liability to medicine-stamp duty.

J. T. (28/5).—The Ph.C. qualification of the Pharmaceutical Society of Ireland is recognised by the New Zealand pharmaceutical authorities.

P. R. L. (21/5).—Barium sulphate is not a poison, as it is insoluble in the fluids of the body. It would therefore be useless as an ingredient in a mice and rat poison.

R. N. (20/5).—The Corn Leaf label requires to state the quantity of poison it contains. This can hardly be the drug cannabis indica as stated, it is probably the extract. If so it will have to be stated on the label.

G. G. (2/1).—Cough elixir is a dutiable title, but if you are entitled to sell "known, admitted and approved" remedies unstamped, the *bona-fide* disclosure of the ingredients on the label is a correct procedure.

J. T. (18/5).—Mineral waters and salts for making them are not subject to medicine-stamp duty, this having been definitely decided in the Lamplough case. The entire drug exemption is not concerned in this matter.

T. C. Y. (27/5).—(1) The name and quantity of the poison must be given on the label of the nerve tonic. These can be expressed in different ways, the most convenient being probably, "Tr. nuc. vom. 1 in 48, Poison." (2) A medicine liable to stamp duty and selling at 1s. 6d. requires a 6d. duty stamp.

L. C. C. (27/5) asks whether it is necessary to employ a solicitor to draw up the memorandum and articles of association when forming a private limited company. If not, can suitable forms be obtained? [It is not essential to employ a solicitor in connection with the registration of a company; but the advice and assistance of an expert is desirable. Forms can be obtained from any law stationers such as Jordan & Sons, Ltd., 116 Chancery Lane, London, W.C.2, who would also quote for effecting the registration.]

G. M. B. (2/6) took over the lease of premises consisting of a house and shop in May 1923. At that time the upper floor of the house had been sublet by the previous lessee to A. at a weekly rental of £1, and A. has since been "G. M. B.'s" tenant. The arrangement has worked well until recently, when A. sublet his portion of the house for a month during his holiday, without permission. "G. M B." dislikes having strangers in the house, and asks whether A. is protected by the Increase of Rent Acts [We consider that the portion of the premises let to A. constitutes a separate dwelling-house within the meaning of the Acts, and that A. is entitled to their protection. On the other hand, the fact that A. has sublet the whole of his premises without "G. M. B.'s" permission is a ground upon which the Court might make an order giving "G. M. B." possession of the rooms if he makes the necessary application.]

Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

H. E. T. (9/5)—LOCUM TENENS CHARGE.—The charge for two days' service would be at the rate per week, *plus* 25 per cent., and fares to and fro. If six days' service are given for £5 say, you add a fourth and divide by three to give you value for two days.

E. B. (9/5).—WORMS ON LAWNS.—For this purpose, water with lime water or a solution of mercury perchloride of a strength of three grains to the pint. Another method is the application before wet weather of a powder containing mustard gruffs and tuba root powder, the latter in only small proportion.

E. G. I. (11/5).—RECOVERING SILVER FROM PHOTOGRAPHIC BATHS.—The process most used is to add liver of sulphur to a large bulk of waste photographic baths when the silver is deposited as silver sulphide. This should be allowed to collect at the bottom of the vessel, and the clear liquid syphoned off, more used baths being added from time to time. When a large bulk of precipitate is obtained it should be collected, drained and sent to the refiners for the recovery of the silver.

A. A. W. (12/5).—AFFIXING LABELS ON SHOP ROUNDS.—These, we presume, are paper labels. They are affixed with paste, allowing the paste to soak well into the paper before placing it on the bottle. After the label is dry it is sized with isinglass or gelatin solution, and finally given a coating of white hard spirit varnish.

W. G. (12/5).—BATS IN A CHURCH are best trapped. A lighted lantern is placed in the building so that the bats can fly near it in the dark, a net trap being arranged near by, or the birds can be captured whilst hovering near the light.

L. L. (13/5).—There are no pharmacists in the present House of Commons.

C. R. H. (14/5).—SPT. JUNIPER CO. P.L.—This preparation, which was in the London Pharmacopœias from 1746 to 1851, is really a form of gin. The formula is:—

Ol. juniper.		ʒiss.
Ol. carui.		
Ol. fœniculi	aa	♏xij.
Spt. vini tenuior		Cj

J. F. D. M. (14/5).—CAAPI.—Particulars regarding Caapi, the South American drug which Dr. H. H. Rusby discovered, were given in the *C. & D.*, March 29, 1924, p. 448. The drug is not a commercial article, but the possession of a sample by someone at the recent Chemists' Exhibition seems to have been turned into a "stunt" by the lay Press.

R. W. W. (14/5).—STAIN FOR OAK.—This preparation is a blackish brown liquid of ammoniacal odour, said to impart to new oak a grey colour similar to that of old weather-beaten oak. Total solids 0.8 per cent. The ash, amounting to 0.15 per cent., consists mainly, if not entirely, of ferric oxide. A similar preparation can be made by dissolving gallic acid or pyrogallic acid gr. xvj. in a little ammonia and water ʒiv, and adding to this a solution of 20 grains of iron sulphate gr. xx in water ʒiv. Either gallic acid or pyrogallic acid gives a result similar to that of the original preparation, but not identical. Probably the original was made with an infusion of a tanning material containing a tannin closely related to one of these acids.

E. & G. (15/5).—FROZEN EAU DE COLOGNE.—We have no data of the cost of making solid eau de Cologne. The process used is as follows:—

Melt 4.5 parts of stearin, then add 0.5 part of sodium carbonate (to saponify) and 95 parts of eau de Cologne, and heat for an hour in an autoclave. Colouring may be added if required. When nearly cold the compound is poured into glass moulds and allowed to set.

H. B. S. (18/5).—BOOKS ON DISINFECTANTS.—Christian's "Disinfection and Disinfectants" (Scott, Greenwood) and Rideal's "Disinfection and Disinfectants" (Sanitary Publishing Co.) are two books on the subject, but they do not deal with the manufacture.

Student (19/5).—If your previous letters like the present were anonymous that is sufficient reason for disregarding them.

K. & S. (20/5).—We cannot say what your local doctor intends by "Lin. Universale," but in at least one insurance pharmacopœia the name is used as a synonym for lin. terebinth. acet. B.P.

F. G. F. (22/5).—TENNIS RACQUET PRESERVATIVE.—This is white hard spirit varnish diluted with an equal part of spirit, in which a small quantity of castor oil has been dissolved.

R. J. B. (22/5).—LIN. CALAMINÆ.—Guy's Hospital Pharmacopœia.

Prepared calamine		gr. xx.
Zinc oxide		gr. xv.
Soft soap		gr. xv.
Olive oil		ʒiv.
Water	ad	℥j.

M. J. C. (19/5).—MILKING DIFFICULTY.—Some cows will not give their milk to certain milkers. Try a change of milker, and if this affords no improvement the only alternative is to draw off the milk by means of syphons. Self-fixing ones are obtainable, and two can be inserted at a time, the milker keeping the pitcher in position. When the syphon is used regularly the secretion of milk gradually diminishes. Since the animal is quite young, a season's suckling of one or two calves would be the better way of getting an easier flow of milk.

J. B. S. (26/5).—One of the advantages of formalin as a disinfectant is that it does not, like sulphurous acid, affect the colours of fabrics or injure metals.

Ballard (27/5).—The preservative for fruit in casks which disappears in the course of the journey to this country is probably formalin, which is volatile.

Retrospect of Fifty Years Ago

Reprinted from "The Chemist and Druggist," June 15, 1875.

The Irish Pharmacy Bill

A Pharmacy Bill for Ireland has been introduced by Sir Michael Hicks-Beach, the Chief Secretary. It proposes to form a Pharmaceutical Society by nominating certain persons who shall constitute the first council. An examination is to be instituted for the title "Pharmaceutical Chemist," including the Latin and English languages, arithmetic, botany, materia medica, pharmaceutical and general chemistry, practical pharmacy, and the British Pharmacopœia. The fees for this examination are to be equal, or as nearly as may be, to those charged by the Pharmaceutical Society of Great Britain. Provision is made in the bill for reciprocity between the British and Irish societies; that is, members of one body, on presenting their credentials and paying the necessary fees to the other society, are to be at liberty to share the rights and privileges of that society. The President and Vice-President of the Pharmaceutical Council, with several London members of the council, and accompanied by the solicitor (Mr. Flux), had an interview with Sir M. Hicks-Beach respecting this bill on the 27th ult., and endeavoured to convince him of the injustice of giving away to a society of the character of which no one could know anything a title they, the British society, had created and made valuable. It was also pointed out to the Chief Secretary that by this bill the Irish society, if in want of money, might flood Great Britain with "pharmaceutical chemists" of an inferior stamp, a course which the British society would be powerless to prevent. The deputation urged the union of the pharmacy of Great Britain and Ireland by the extension of the British society's operations to that land, and Mr. Flux handed to Sir M. Hicks-Beach a bill he had drafted embodying such a proposal. The Chief Secretary intimated that the independent society principle was fixed and irrevocable. In order to preserve the rights of the British society he suggested the establishment of an *ad eundem* examination, but further than this he could not be induced to go.

THE CHEMIST AND DRUGGIST

COMMERCIAL COMPENDIUM

deals with the trade side of pharmacy

[Commenced *C. & D.*, July 5, 1924]

Chian Turpentine.—Chian turpentine is frequently classified with the *Larix* turpentines, but is, in all probability, when genuine, derived from *Pistacia terebinthinus*, although, no doubt, other species are used for its production. Genuine Chian turpentine resembles mastich and varies in consistence according to the percentage of essential oil present. The tree is an inhabitant of Syria and the Greek Archipelago, the bulk of it being obtained from the island of Scio. The oleoresin has a specific gravity about 1.050, and has an agreeably aromatic odour and taste. It is soluble in alcohol and ether, leaving only a slight insoluble deposit. The admixture of coniferous resins is indicated if this deposit contains pitted vessels, which are absent from the wood of *Pistacia*, but which are often present in the *débris* of crudely prepared coniferous resins. Further, the essential oil of the genuine turpentine is dextrorotatory, and the resin itself lævorotatory, whilst the converse is the case with most coniferous turpentines found in the districts where Chian turpentine is produced. The genuine turpentine has an acid value from 47 to 54; ester value, 19 to 23; and saponification value, 65 to 78. It is almost completely soluble in most organic solvents. It contains from 12 to 18 per cent. of an aromatic essential oil, consisting principally of terpenes, and having a specific gravity from + 12° to + 20°.

Chicory Duty.—The Customs duty on raw or kiln-dried chicory is 13s. 3d. per cwt., that produced within the British Empire being charged five-sixths of this rate. At the outbreak of war in 1914 the duty was 13s. 3d.; it was raised to 19s. 10d. on September 22, 1915, to 39s. 8d. on April 5, 1916, lowered to 26s. 6d. on May 15, 1922, and to 13s. 3d. in 1924. The consumption of chicory during 1923-24 increased to 65,586 cwt. (Great Britain and Northern Ireland only).

Child-birth Requisites.—*See* Maternity.

Children, Employment of.—*See* Boys, Employment of.

Chile.—The owner or manager of a pharmacy must hold the diploma of pharmacist obtained after following the prescribed course of study at the Faculty of Medicine and Pharmacy in a Chilean University. However, in places where there is no pharmacy, the Government may authorise a suitable person, not necessarily a medical practitioner, to supply medicaments to the public, this permission being revocable at any time. Chile possesses its own pharmacopœia. The municipal authorities are entrusted with the task of supervising and inspecting the local pharmacies and drug stores with the object of preventing the sale of adulterated drugs, etc. Pharmaceutical specialities have to be registered with the Institute of Hygiene prior to being placed on the market. The customs tariff of 1916 provides specific rates of duty for a wide range of chemicals, drugs, etc. Under Tariff No. 1263 drugs, medicinal and pharmaceutical products not specifically enumerated are charged at the rate of $0.60 per kilo. (*plus* 50 per cent.), calculated on the total gross weight. Pills, capsules, tablets, etc. (Tariff No. 1,321) are chargeable at the rate of $3.50 per kilo. (*plus* 50 per cent.) legal weight, i.e., weight of contents and actual container. The importation is prohibited of drugs or pharmaceutical preparations of which the formula is not distinctly disclosed on the label or wrapper in which the package is enclosed, unless the importer registers the formula with the Institute of Hygiene, in accordance with the regulations dealing with pharmaceutical specialities, and pays an amount equal to twice the duty prescribed in the customs tariff. The President of the Republic is empowered to prohibit the importation of "beverages, foodstuffs, drugs, pharmaceutical preparations, and any substances or products which, in the opinion of the Superior Council of Hygiene, may be injurious to health."

Chillies.—*See* Capsicum.

China Clay, also known as porcelain clay or kaolin, is produced by the weathering of felspar, K_2O, $3SiO_2$, Al_2O_3, SiO_2, which loses the whole of its potash and two-thirds of its silica to form hydrated aluminium silicate of kaolin, Al_2O_3, $2SiO_2$, $2H_2O$, the characteristic constituent of all clays. Kaolin, the whitest and purest form of clay, derives its name from the Kualing Mountains in China. The finest European china clay is derived from Yrieux, near Limoges, but good china clay is mined in Cornwall and Saxony. The production of china clay for making porcelain and pottery is enormous. Washed china clay is used for filling paper and calico, and in the manufacture of alum and ultramarine. (*See* kaolin and fuller's earth for forms of china clay used for pharmaceutical and toilet preparations.)

China, Currency in.—The whole system of Chinese money is in a chaotic state; for instance, there are at present four kinds of silver coins current in Nanking, viz. :—The Yuan Shih-kai dollar, the Dragon dollar, or "Lung Yang," the Mexican dollar, or "Yin Yang," and the Spanish dollar, or "Pen Yang." The Yuan Shih-kai dollar and the Dragon dollar coined in the Nanyang and Peiyang mints, as well as in Hupeh and Kwangtung, are commonly accepted at their full value. But the Dragon dollars coined in Anhwei, Chekiang and Fukien are accepted at a discount of two or three cents for each dollar, and those coined in Yunnan, Kweichow and Szechwan at a discount of four or five cents for a dollar. Until recently the Chinese unit of currency was the tael (liang), which is not a coin, but a Chinese ounce weight of silver of varying standard. At present the silver yuan, or dollar, based on the Mexican dollar, is the unit generally in use, the exchange value of which fluctuates within considerable limits. Nominally the yuan is worth 2s. 6d., but the rate of exchange averages Mex. $11 to the £. Another important unit is the Shanghai tael = Mex. $1.35, but the rate of exchange and relative value of tael to Mexican dollar are subject to wide fluctuations. The Haikwan tael, a term for an uncoined weight of 583.3 grains of silver (1,000 fine), is used solely by the Chinese Maritime Customs in its collections and statistics, and is equal in value to Mex. $1.50; however, the rate of exchange is fixed every month by the Chinese Maritime Customs. Banknotes are issued by foreign and native banks.

China, Customs Tariff.—The rates of duty in the Chinese Customs Tariff are expressed in Haikwan taels, the rate of exchange of which is fixed every month by the Chinese Maritime Customs. In the revised import tariff of 1922 specific duties for a number of drugs and chemicals are provided. Proprietary medicines, medicinal preparations, cocaine, morphine in all forms, tincture of opium, aniline dyes, toilet soaps, and carbolic acid are chargeable at 5 per cent. *ad val.*, which is the rate of duty levied in the case of articles not enumerated in the tariff, calculated on the wholesale market value of the goods in local currency. This market value, when converted into Haikwan taels, shall be considered to be higher than the duty-paying values by the amount of the duty on the goods and 7 per cent. of the duty-paying value of the goods. The importation of opium and poppy seeds is absolutely prohibited. The importation of the following articles is prohibited except under bond by qualified medical practitioners, druggists, and chemists: morphine and cocaine and hypodermic syringes: anti-opium pills containing morphine, opium, or cocaine: stovain, heroin, thebaine, ghanja, hashish, bhang, cannabis indica, tincture of opium, laudanum, codeine, dionin, and all other derivatives of opium and cocaine.

The C.&D. Commercial Compendium

China, Pharmacy in.—The art of healing in China has scarcely been influenced by Western progress, and the basic principles underlying the medical treatment of diseases are practically the same as prevailed a thousand or more years ago. Chinese materia medica consists almost entirely of vegetable drugs, and a vast store of empiric knowledge has been collected regarding the action and properties of a very wide range of plants In many instances the specific use of a drug is based on the assumed relationship between its external form and some organ of the human body, e.g., the hairy capsules of *Polytrichum commune* are credited with the property of promoting the growth of hair; the convolutions of the root of *Polygonum bistorta* point to its use against snake bites, while the red petals of the poppy are, on account of their colour, used as a hæmostatic. Pharmacies in China may be divided into three classes: native pharmacies of the old type, pharmacies owned by foreigners in which foreign qualified pharmacists only are employed, and Chinese businesses staffed by assistants trained in China, chiefly in the educational establishments founded by foreign missions and other bodies. Most of the modern Chinese pharmacies are owned by medical practitioners. There are no restrictions as to the opening of pharmacies in China, and no laws regulating the exercise of pharmacy or the sale of drugs, etc., with the sole exception of the enactments to prevent the abuse of opium, which have proved to be practically ineffective, as they cannot be enforced. China was a signatory to the Hague Opium Convention, but did not sign the Opium Agreement and the International Convention of 1925. As regards the training of Chinese pharmacists of the old type, in Nanking an apprentice is required to serve his master under a contract for three years, during which time the latter is responsible for any mistakes made by his apprentice. The apprentice pays a small entrance fee and $40 towards the cost of his board during apprenticeship. He is given instruction in arithmetic, writing and pharmacy. After the term of three years is completed, he is at liberty to leave his master and establish himself in business as a full-fledged pharmacist.

China Root (*Smilax China*) is a fungus growth, or rhizome, which is found on the roots of fir trees. It occurs in the form of large tubers, which do not readily decay, and are said to remain unchanged after lying in the ground for upwards of thirty years. The substance consists largely of pectine and parillin, with a trace of starch, and is free from smell or taste. *Pachyma Cocos*, the China root of the northern and central provinces, is larger than the species found in the south, known as *Smilax pseudo-China*. The hardest and whitest kind is the best. China root is very similar in its composition to sarsaparilla. The plant is a "thorny climbing shrub," indigenous in Nepal, Sikkim and Far Eastern Asia generally. The tubers are dried, and, trimmed of excrescences, enter into commerce in the form of irregular cylinders, about 4 to 6 in. long and 1 to 2 in. thick, and covered with a shining rusty bark. In Nepal and India it is of common growth, as also in Assam. It is found in considerable quantity in Cochin China, Formosa, in the Loochoo Islands and in Japan. In China it appears in many parts, but particularly in Kwangtung, Anhwei, the Yangtze Valley and Shantung. In some places it is cultivated in the following manner: Squared pieces of fir are placed in the soil and a cutting of the rhizome grafted therein, the whole being covered with sand. After a few months new tubers form, growing into the wood. The tubers are gathered by natives and brought to the towns, where they are purchased by the merchants or their agents, by whom the cargo is sorted, bagged and passed on to the ports for shipment. The trade is almost entirely in the hands of Chinese. Several years ago small quantities were handled by foreign merchants, but its use in Europe and America is now obsolete. China root is used mainly as a nerve tonic and sedative. It is ground into a fine powder, mixed with rice flour, and made into small square cakes for consumption. The smilax variety is used pre-eminently in syphilitic diseases. Practically the whole of the export trade from China is to India, Burma and the Straits.

China, Trade Marks Law.—The Chinese Trade Marks Law was promulgated on May 3, 1923, and immediately elicited strong protests from foreign traders in China, indeed, the Corps Diplomatique refused to recognise the enactment. The chief feature of the law to which serious objection is made is the fact that no provision is made for the participation of foreign experts on the Chinese Trade Mark Bureau, and that in case of disputes the decision rests with a purely Chinese body. Article 8 stipulates that a person having no residence or place of business in Chinese territory may not make application for the registration of a trade mark, or maintain a claim to the exclusive use of a trade mark, unless he appoints as his agent a person residing or having a place of business in China specially empowered to represent his principal in all procedures relating to trade marks. The appointment of an agent for these purposes is not valid unless it has been reported, approved and registered by the Trade Mark Bureau. The period of duration of trade mark rights shall not exceed 20 years, and in the case of foreigners it shall not exceed the period granted by the Governments of their respective countries. The following are not capable of registration as trade marks in China: (1) Marks which are similar to, or closely resemble, the national flag, emblem or seal, military flags, official seals or decorations of the Republic of China; (2) Marks which are similar to, or closely resemble, the Red Cross sign, or the national or military flags of foreign countries; (3) Marks calculated to prejudice morality or public order, or to deceive the public; (4) Marks similar to, or closely resembling, signs in common use for the same class of goods; (5) Marks similar to, or closely resembling, signs generally known to be employed by others for the same class of goods; (6) Marks similar to, or closely resembling, medals bestowed by the Chinese Government, or medals or certificates conferred by exhibitions or industrial expositions, etc. But cases in which applicants employ as part of their trade-marks, medals, etc., conferred on themselves, shall not come within the scope of this restriction; (7) Marks which contain the portraits, name, or trade name of other persons, or the name of a juridical person, or of an association, unless the consent of the party concerned has been obtained; (8) Marks similar to, or closely resembling, registered trade-marks of other persons, within one year from the date on which these lost their validity. But this restriction shall not apply in cases of trade-marks which have not been used for over a year prior to the loss of validity. The following classification of goods has been adopted: Class 1. Chemicals, drugs, medical substances and preparations for medical treatment, resins, gums, phosphorus, lime, salt, mineral waters, pills, powders, bandages, ointment, absorbent cotton, sponges, etc. Class 3. Essences, perfumes, aromatic materials and toilet preparations not belonging to any other class. Class 4. Soaps. Class 5. Grease removers, washing powders, tooth powders and liquids or pastes for washing and cleansing purposes.

China, Weights and Measures.—The standards of weights and measures vary all over China, but for Customs purposes the following units apply:—Catty = $1\frac{1}{3}$ lb., or 604.53 grams; Picul = $133\frac{1}{3}$ lb., or 60.453 kilos. The following are the standards which the Chinese Government is endeavouring to introduce for general adoption:—*Weight*: 10 fen = 1 ch'ien; 10 ch'ien = 1 liang (tael) = 37.301 grams; 16 liang = 1 chin (catty) = 596.816 grams. *Capacity*: 10 sho = 1 ko; 10 ko = 1 sheng; 10 sheng = 1 tou = 10.354 litres; 5 tou = 1 hu; 2 hu = 1 tan. *Length*: 10 fen = 1 ts'un; 10 ts'un = 1 ch'ih = 32 cm.; 10 ch'ih = 1 chang = 320 cm.; 180 chang = 1 li = 576 metres.

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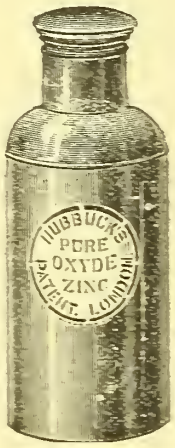

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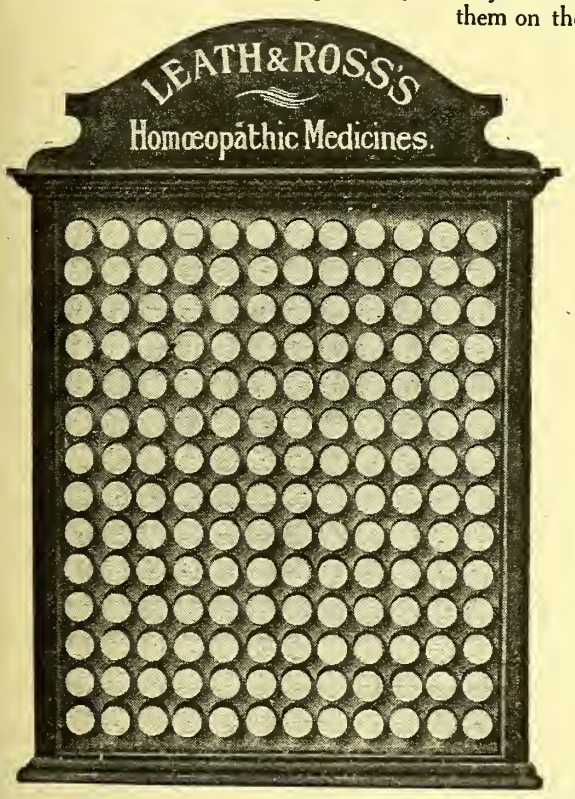

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Mr. HAROLD HAW, M.P.S., 5 Albert Terrace, Blackpool, writes: "SIRS—Showcase to hand safely; very satisfactory; has already been admired by several chemist friends."

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4 oz. size, 4/- per dozen. 8 oz. size, **7/6** per dozen.
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The cheapest house for Packed Pharmaceutical Preparations, all with Neutral Labels

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Guaranteed B.P., made with Howard's Seidlitz ... loose	6/3
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Liberal Trade Terms
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Powders and Tablets
Retail at 1/3 and 3/-

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BEECHAM'S PILLS:

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3s. 0d. " ...	... 26s. 6d. "
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Cheques to be made payable to THOMAS BEECHAM, and crossed "Westminster Bank, Ltd., St. Helens."

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Licoricine
ACTS LIKE MAGIC

for Coughs, Colds, &c.

Pays to stock

for there is an increasing demand by the Public, and it carries a good profit to you.

10½d. size, 8/6 doz. net. 1/3 size, 12/- doz. net. 3/- size, 27/- doz. net. £2 worth carriage paid. £6 and upward 5% discount. Minimum Retail as above. Profit 4d. in the 1/- on £6 lots.

Send P.C. for liberal supply of counter bills and advertising novelties.

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— Only supplied to Chemists. —

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HAY FEVER

can be very successfully combated with

POLLANTIN

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Antiseptic Solution (Formolid Brand) ...	12 oz.	45/-	5/6
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Winchesters—Prices on Application.

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IGLODINE is being advertised. The unfailing effectiveness of its action is going to make trial purchasers into IGLODINE enthusiasts.

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Write for fullest particulars and terms—
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ALL the time, through the most valuable national media, we are telling the Public about Elliman's Embrocation. The huge sales will be increased—the summer season brings hosts of outdoor games, all of which give rise to a need for Elliman's. The advertisements reproduced here in miniature are part of a new series to remind your public that for *all* muscular pains, bruises and stiffness Elliman's is the right remedy. If you are not stocked ready for the Tennis rush—order on the special terms form below.

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UNIVERSAL EMBROCATION (*For Human Use*)			ROYAL EMBROCATION (*For Veterinary Use*)		
2/- size	...	19/2 per doz.	1/6 size	...	14/5 per doz.
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AND SOLD ONLY BY QUALIFIED CHEMISTS.
CAN BE RECOMMENDED WITH CONFIDENCE
:: AND CARRIES A GOOD PROFIT. ::

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Sugar of Milk.
"THE BEST"

HOLLANDSCHE MELKSUIKERFABRIEK
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A safe, simple aperient for children or adults. Consists of Prunes, Demerara Sugar, Senna and Ginger. Universally approved by the Medical Profession. Now being widely advertised. Be ready to meet the demand. Order stock from your Wholesaler. 25% Profit at M.R.P. Retails 1/10 P.A.T.A.

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THE GOLD MEDAL HEALTH DRINK.

Quick Seller. Big Profits. Over 40 years' Reputation.
"**Abdine**" is the most popular Health Drink, superior to all Mineral Waters. The Original and only genuine Fruit Drink.
Reduced Price List can be had on application.
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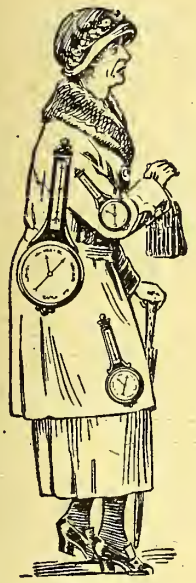

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The Wonderful Seller for

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Well advertised. Recommended by Doctors.
Quick Sales. :: :: Generous Terms.

Stocked by ALL Wholesale Houses.

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STEMAT ANTI-CATARRHAL BALM,
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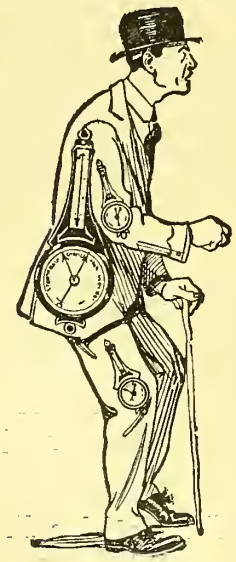
THE QUROPAD MASSAGE APPLIANCE,
SANALVE, VANITY BOXES, ETC., ETC.



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Manufacturing Chemists

19-20-21 FARRINGDON ST., LONDON, E.C.4.

Telephone: City 8342. Telegraphic Address: "Curicones, Cent, London."

P.A.T.A. NOTICE

18 Tavistock Square, LONDON, W.C.1.
June 6th, 1925.

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59 WALLACE STREET, GLASGOW.

DRAB HOT WATER BOTTLES

Size	M.R.P.	M.W.P.
6″×8″	5/-	3/8 ea.
6″×10″	5/3	4/- ,,
7″×10″	5/9	4/3 ,,
6″×12″	5/9	4/3 ,,
7″×11″	6/-	4/5 ,,
8″×10″	6/3	4/7 ,,
7″×12″	6/6	4/9 ,,
6″×14″	6/6	4/9 ,,
8″×12″	6/9	5/1 ,,
9″×12″	7/3	5/6 ,,
8″×14″	7/3	5/6 ,,
10″×12″	7/9	5/9 ,,
10″×14″	8/6	6/6 ,,
10″×16″	9/3	7/1 ,,
12″×14″	9/6	7/3 ,,

Carriage paid on £5 lots.
5% discount on orders value £5 and extra 5% for cash.

WILLIAM S. GLYN-JONES, Secretary.

Thank you!

MAY we take this opportunity of thanking all our friends, both Wholesale and Retail, for their active co-operation during the past months. Your co-operation and our extensive advertising campaign has resulted in RECORD SALES of

GEE'S
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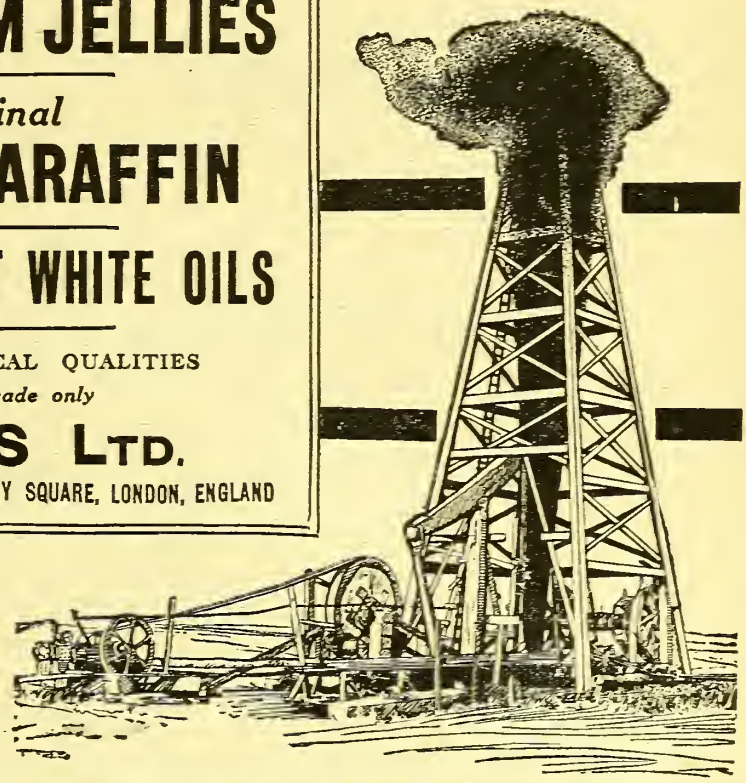

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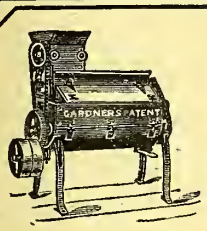

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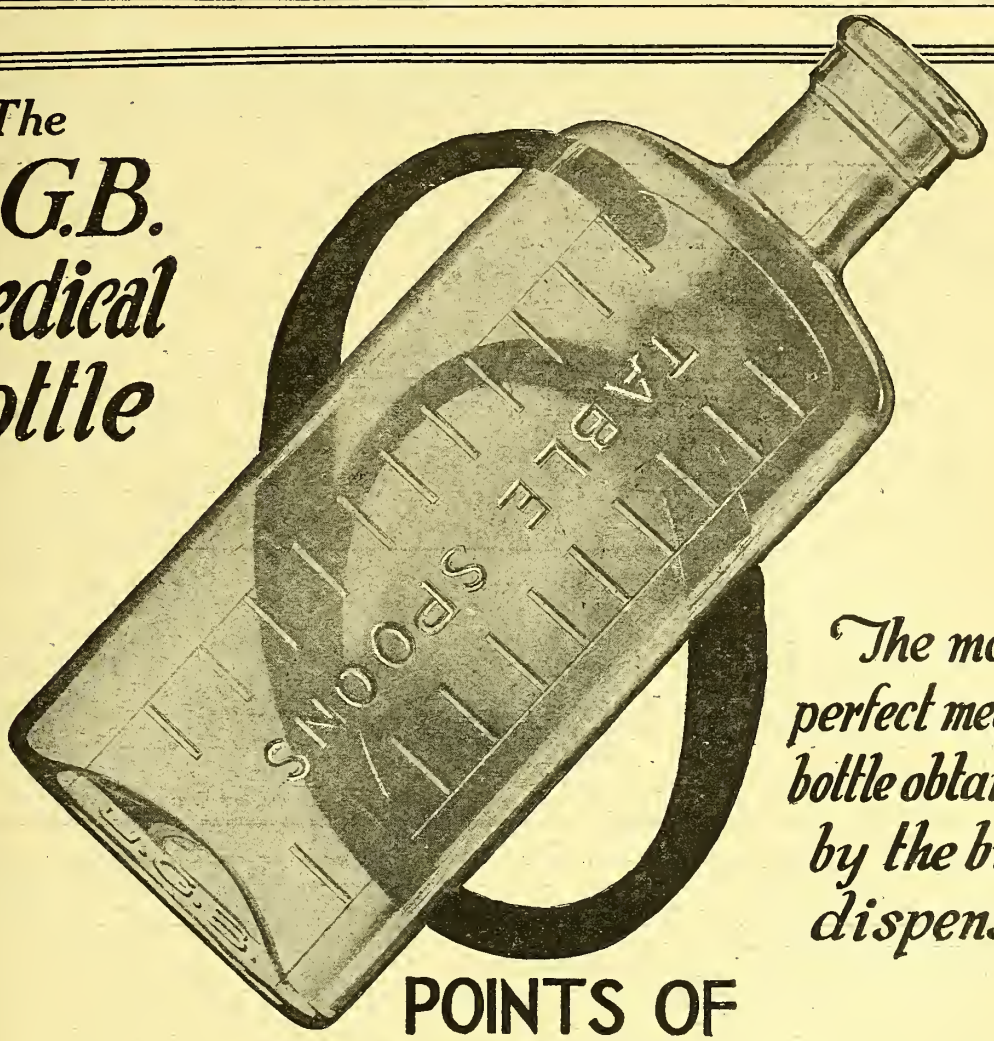

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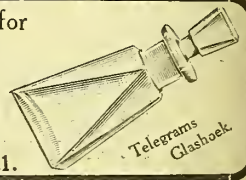

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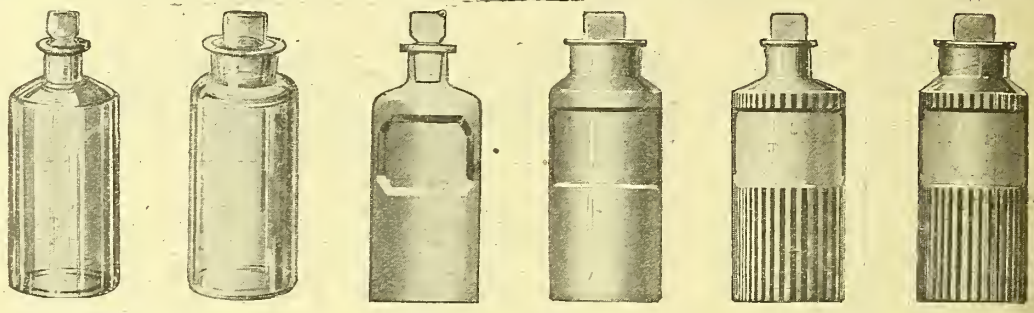

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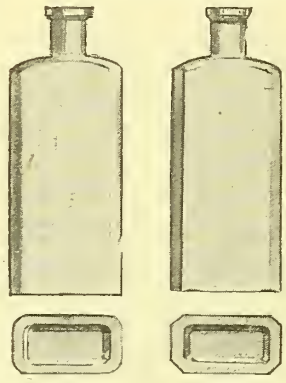

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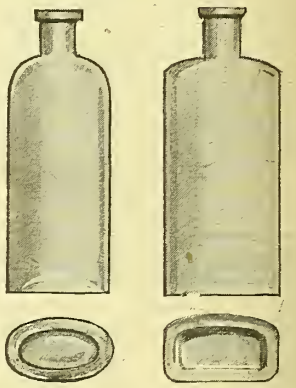

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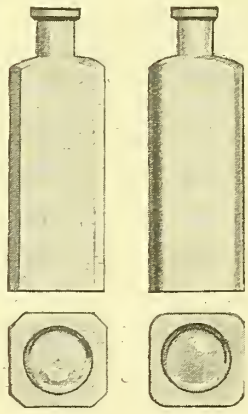

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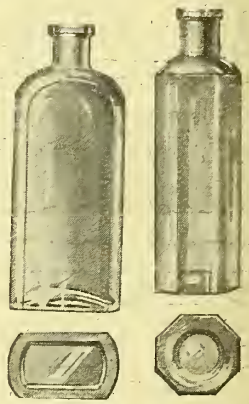

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42 CANNON ST.
LONDON E.C.4

JUNE 6, 1925

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3.—LONDON BRIDGE (Near).—Working-class Retail, with Dispensing; returns, last year, £1,380; gross profit, £590; single-fronted, lock-up shop, with good working stock; 12 lease, at moderate rental; price £750, or near offer ained.

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6.—LONDON, S.W.—High-class Dispensing and Retail Business very old established; returns about £3,300 per annum; rofit, £700; single-fronted shop, well fitted and stocked; living accommodation; held on lease at reasonable rental; £2,500.

7.—LONDON, S.E. (Suburban).—Drug Store, with excellent g for N.H.I. Dispensing; returns, about £25 weekly; fronted shop; estimated value of stock and fixtures, £550; ed house; garden; very low rent; 14 years' lease; valua-erms entertained; part payment.

8.—EASTERN COUNTY.—Mixed Business, situate in very good position in small market town; returns, about £2,650, with scope for development; net profit, £500; large, well-fitted shop, fully stocked; excellent residence, with garden and garage; price for freehold £2,500, and for the business £500; goodwill, plus valuation of stock and fixtures, about £1,600; property must be purchased.

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11.—KENT.—Retail and Dispensing Business, with Wine Licence and small Optical connection; returns, present rate, about £2,000 per annum; attractive Pharmacy, very well fitted; good working stock; comfortable house, garden; held on lease; to effect a speedy transfer the value of the stock and fixtures would be accepted.

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13.—SOUTH COAST.—General Retail Business, situate in marketing centre; returns between £2,500 and £3,000 per annum, at good prices; double-fronted shop; freehold may be purchased; further details on application.

14.—HOME COUNTY.—General Retail Business, with Rexall Agency; returns for 1925, at the rate of £2,700, under management, with scope for considerable increase; double-fronted shop, well fitted; National Cash Register; stock estimated at about £600; long lease; rent, £80, rising to £100; price to be arranged; part payment entertained.

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5.—S. DEVON.—Good-class ready-money Business in important town; returns, £30 p.w.; Kodak, N.H.I., etc.; double-fronted shop, with 8-roomed house; price, including freehold property, £2,600. (134)

6.—SOUTH DEVON.—Very old-established Business in residential district of busy town; returns, £34 p.w.; rent, £90; lease to be arranged; double-fronted, well-fitted shop and house with 7 rooms; side entrance, store, etc.; price £1,450. (154)

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BRIGHTON.—Qualified Assistant required, age about 25; good Counter Salesman, and knowledge of Photography essential. Send full particulars, stating salary expected, in first instance, to E. T. Neathercoat, Church Street, Weybridge.

BRIGHTON.—Qualified Assistant wanted for Light Retail, mainly mornings and evenings; permanency; suit elderly or semi-retired. Apply, stating salary required and when disengaged. "Mano," 100/8, Office of this Paper.

CHESTER.—Assistant; qualified; good all-round experience; give age, salary required. Pearson & Barton, Ltd., Christleton Road, Chester.

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EAST COAST.—Junior required for season. Please give full particulars age, height, experience, salary required (outdoor), and, if possible, enclose photo. Box 100/7, Office of this Paper.

FOLKESTONE.—Wanted, Junior (male) Assistant, experienced in good-class Dispensing and Retail. Please give full particulars, experience, age, references, and salary required (outdoor). Hall & King, West Cliff Pharmacy, Folkestone.

HAMPSTEAD, N.W.—Young, unqualified lady Junior Improver, with knowledge of Photography preferred, outdoor, in good-class Dispensing Pharmacy. Apply by letter stating experience, salary expected, photo, if possible, which will be returned, to "Pharmacist," 85, Haverstock Hill, N.W.3.

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LONDON, E.C.—Qualified Assistant (gentleman) for Dispensing Counter; no Sunday or Bank Holiday duty. Apply giving full particulars of age, experience, and salary expected to Scott, Warner & Co., 55 Fore Street, Moorgate, E.C.2.

LONDON, N.—Wanted, Chemist-Optician to take charge of new branch; must be keen Salesman and good Window dresser. Apply 101/19, Office of this Paper.

LONDON, N.—A Junior Assistant required for Light Retail and Dispensing. Apply, stating age, experience, and salary required (outdoors), to C. S. Addison, 48 Chase Side, Southgate, N.14.

LONDON, S.W.—Junior; unqualified; male; about 22 years; good Dispenser. Apply, stating age, salary required, and full particulars, 101/33, Office of this Paper.

LONDON (S.W. Suburb).—Required. Qualified Branch Manager for quick Retail, N.H.I. and Photographic Business; good Counterman and Window-dresser essential; permanency to competent man. Apply, stating age, experience, references, salary required, to P.C.B. 84/13, Office of this Paper.

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PLYMOUTH.—Senior Assistant, qualified (male); must be smart, tactful Salesman, good Window-dresser, knowledge of Photography. State age, previous experience and salary required, enclosing photograph if possible, to Balkwill & Co., Chemists, Plymouth.

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W.—YOUNG qualified Assistant, with good experience; quick Counter, Windows, Photography. Full par-rs, age, salary, experience, to Bird, Durhin's Drug Stores, ston-on-Thames.

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QUALIFIED Assistant required; applicant must be a good Window-dresser, capable Salesman, and reliable enough to charge; salary plus a commission on takings will be paid; pplicant requiring a permanent position will be preferred; y send necessary particulars. Thatcher, Chemist, Cald-, Walsall.

SISTANT, unqualified, in good-class business, as Counter-man, Window-dresser, and Stock-keeper; must have know-of Photography. T. H. Foden, Pharmacist, King's Heath, ingham.

SISTANT (male); unqualified; easy hours; no Sunday duties. State age, height, experience, and salary required, . Grimwade, M.P.S., F.B.O.A., 17, High Street, Hemel pstead, Herts.

SISTANT wanted for Dispensing, Prescribing and quick Counter Business; staff of 8; must be energetic and smart, sound references. Apply, giving full particulars and salary red. Applicants not answered in 4 days respectfully ned. Tamplin, Chemist, Kingston-on-Thames.

SISTANT wanted at once for Cash Dispensing business; knowledge of Photography; state age, height, salary red, and full particulars in first letter. Salter, Chemist, Green, Southall.

VIL SERVICE COMMISSION.—Candidates are invited for two posts as Pharmacist in the Royal Naval Hospitals; salary of the posts commences at £120 per annum, and by £5 increments annually to £170, with Cost of Living s and provision of unmarried quarters, or an allowance of in lieu, which is at present increased by 40 per cent.; posts are established and pensionable; subject to the exist-of vacancies and to their being recommended. Pharmacists prospects of promotion to the grades of Senior, Super-nding and Head Pharmacist, the maximum salary of the r being £400 (plus bonus); candidates must be (1) natural British subjects and, unless they have served in the Armed es of the Crown during the Great War, children of fathers are natural-born British subjects, (2) under 28 years of and (3) Pharmaceutical Chemists holding either the Major inor qualifications of the Pharmaceutical Society of Great ain, or the certificate of competency granted by the Phar-eutical Society of Ireland; preference will be given to can-tes who served in His Majesty's Forces in the Great War; macists are required to serve in any of the R.N. Hos-s at home or abroad. Application, which should state date irth and be accompanied by testimonials and a full record aining qualifications and experience, should be addressed in ng to the Director General of the Medical Department of Admiralty, 68 Victoria Street, London, S.W.1.

CAPABLE Junior Assistant required for good-class Country Retail; accurate Dispenser and good Window-dresser essential, with knowledge of Counter work; good progressive post for suitable man; outdoors. Full particulars in first letter. Buswell, Lutterworth.

CHEMIST, qualified, wanted (at once) as Manager for small shop in Sunderland. Full particulars, giving references, age, height, salary expected, when at liberty, to W. H. Gowdy, 2 Silksworth Row, Sunderland.

EXPERIENCED, unqualified Assistant wanted by June 22, mostly for Counter work; knowledge of Window-dressing and Photo. sales necessary. Atkins & Son, Pharmacists, Salisbury.

HUBERT B. FIGG, Chemist, Berkhamsted, requires a Lady Assistant (unqualified or Hall certificate); must be quick Dispenser and smart Counter, obliging and willing to work; permanency. State full particulars; send photograph.

IMPROVER or Junior Assistant. State age, experience, references, height, salary required (outdoors), and when disengaged. Cousins, M.P.S., Derby Street, Leek.

JUNIOR Assistant, unqualified, outdoor, male, wanted for middle of June; Dispensing, Counter, and Photographic. Apply, stating age, height, and salary required, to Charrington, 17 Market Street, Lichfield.

JUNIOR or Improver wanted for good-class Retail and Dispensing Business, outdoor. If writing, please give full particulars of experience and salary required to F. Wilde, 100 Brompton Road, S.W.3.

JUNIOR Assistant (male) for Counter and Dispensing; quick, clean, and capable man required; near Birmingham. Kindly send references, full particulars of experience, and salary required, to Box 100/1, Office of this Paper.

JUNIOR or Improver wanted for good Dispensing and Retail, with Photography. Usual particulars and salary required to Prebble & Bone, Chislehurst.

JUNIOR or Improver wanted immediately. Please call or write, stating age, experience, and salary required, Mitchell, 6, Lewisham Road, Lewisham, S.E.

LADY Dispensers (Hall or Minor), with Retail experience, required for London district; accustomed to good class business. Apply, with fully particulars, to Box No. 65/165, Office of this Paper.

MANAGER, qualified, required for Family, Retail, and Photographic Business in S.W. district; tactful salesman, with good personality. Apply by letter, with full particulars, to Box 65/161, Office of this Paper.

LADY Assistant required at once for the season. Full particulars, references, salary required to Robinson's, Ltd., Chemists, Skegness.

LADY Assistant (qualified) required by June 22 in good-class Retail and Dispensing Business, with some Photography; no Sunday duty; salary, £156 per annum (outdoors). Please give full particulars, with references, to H. E. Herington, Chemist, Leighton Buzzard.

MANAGER, qualified, required for busy S.E. district; accustomed to good Family Dispensing and Photographic Business. Apply by letter, with full particulars, to Box 65/162, Office of this Paper.

MANAGER wanted in 2-3 months for high-class residential district, within 30 miles of London; applicant must have had good Dispensing experience and be industrious and of good address; abstainer preferred; some knowledge of Photography and Optics an advantage; permanency to suitable man, who may invest capital in business if desired. State age, experience and wages. P.C.B. 84/11, Office of this Paper.

QUALIFIED Assistant required at once for middle-class business; good Counter-hand, N.H.I., Photographic. Give full particulars and state salary required. Newtons (Royton), Ltd., 1 Shaw Road, Royton, Lancs.

QUALIFIED male Assistant, married preferred, for good-class country business, Hampshire county town; must be thoroughly reliable; only those requiring permanency need apply, good prospects for suitable man. Write, giving full particulars, to "Pestle," Randall & Wilson, Ltd., 146 High Street, Southampton.

QUALIFIED Manager, energetic, to work up new branch; one with experience as Manager preferred; age 28-40. Fullest details of experience, age, height, salary (by letter) to Cole, 13 King Edward Parade, Norbury, S.W.

QUALIFIED Assistant, either sex, as Dispenser; near Doncaster; age no barrier; give full particulars in first letter; permanency to right person. "Chemist," Endcliffe House, Brumby, Scunthorpe, Lincs.

QUALIFIED Manager for good-class suburban Business in Midlands; would well suit man 30-40 years of age. "Suburban," 65/168, Office of this Paper.

QUALIFIED Manager required immediately; permanency and progressive post to right man. 65/169, Office of this Paper.

QUALIFIED man, single, 24 to 26, wanted at once; good references and smart. State salary and fullest particulars. Richard Evans, Chemist, 8, Surbiton Park Terrace, Kingston-on-Thames.

RELIABLE Assistants, qualified and unqualified, with good general experience. Apply 65/164, Office of this Paper.

RELIABLE Assistant required until end of September. Apply with full particulars, and salary required (indoors), to Crang, 3 Broad Street, Ilfracombe.

REQUIRED, competent Assistant of good appearance; capable Counterman, Dispenser, and Window Dresser, with knowledge of Photography. Apply by letter, with full particulars, to 65/163, Office of this Paper.

SEASON Assistant, either sex, for Photographic work, capable of making good prints, and quick worker. References, photo and salary in first letter. Blades, Chemist, Llandudno.

TEMPORARY Assistant, unqualified, 23 to 30 years, from July 13 for about six weeks. Full particulars to Percy G. Morgan, Watergate, Whitchurch, Salop.

THE LION DRUG STORES, LTD., have a vacancy for a qualified Manager at their Peckhill branch; applicants must be live Salesmen, capable of making attractive displays and accustomed to good-class business; salary, commission and bonus on increase. Full particulars to Hayball, 75 West Street, Brighton.

THOMPSON & CAPPER, LTD., require a Locum, unqualified, at their branch, 51 Piccadilly, Manchester, from June 16 until early September. Please apply to Thompson & Capper, Ltd., Manesty Buildings, College Lane, Liverpool, giving full particulars and enclosing a photograph if possible.

UNQUALIFIED Assistant for season; Stock, Dispensing and Counter; knowledge of Photography essential. State usual particulars and salary required (outdoors). Terrington, Chemist, Herne Bay.

UNQUALIFIED man of good experience wanted, capable of managing a Drug Store on up-to-date lines; must be active, enterprising, and a business builder; bonus on results. Full particulars in first letter. 99/39, Office of this Paper.

UNQUALIFIED Assistant wanted for Counter and N.H.I. Write, giving particulars, and state salary required, or call after 6 p.m. A. J. Millar, M.P.S., 113 Burdett Road, Bow, E.3.

WANTED for season, reliable Unqualified Assistant, well up in D. & P. and General Retail; no holiday or Sunday duty. State fullest particulars, references, age and salary required, in first letter. Frederick Liner, 156 King Street, Gt. Yarmouth.

WANTED, Junior Assistant; single; good knowledge of Counter, Window-dressing and Photography; must be a good Stock-keeper. H. T. Morley, Ltd., 142 Love Lane, Stockport.

WANTED, an unqualified Assistant, single, good and varied experience; accustomed to good-class business, Dispensing, Photographic. Full particulars, age, height, references, salary, with photo, to "Outdoor, Northumberland," 100/14, Office of this Paper.

WHOLESALE.

LANCASHIRE and North Wales.—Representative for full range of Packed Goods upon a commission basis; liberal terms to man having sound connection and able to produce results. Please state full particulars (in confidence) to 101/8, Office of this Paper.

LANCASHIRE, Yorkshire and Northern Counties.—Representative, residing on the ground, must have a live, old-standing connection amongst the best Chemists, for a well-known Firm owning and manufacturing a large range of Branded Medicinal and Toilet Preparations, which are offered to the Trade on a Sole District Agency basis. Apply by letter only, giving fullest particulars and salary required, to P.C.B. 83/38, Office of this Paper.

PERFUMER.—Wanted, a really first-class Perfumer and Toilet Expert for a leading and progressive business; liberal salary to good man. Apply "A. B.," 65/159, Office of this Paper.

REPRESENTATIVE, to call upon Chemists and Hairdressers with Toilet Specialities, Chemists' Sundries and Drugs; one with connection preferred; Northumberland and Durham; commission basis; good prospects. 101/39, Office of this Paper.

WALES and West of England.—Representative, residing the ground, must have a live, old-standing connec amongst the best Chemists, for a well-known Firm owning manufacturing a large range of Branded Medicinal and T Preparations, which are offered to the Trade on a Sole Dis Agency basis. Apply by letter only, giving fullest partic and salary required, to P.C.B. 83/380, Office of this Paper

BRITISH Firm in India requires at once Qualified Che single, age 30-35, to take charge of Dispensary, Mi Water and Ice Factory; applicants must have highest refere and able to control staff; three years' agreement; passage out and home; salary, first year £350, rising £25 per annu £400. Apply Leaders, Solicitors, 49-50, Newgate Street, E

REPRESENTATIVES.—Important London Wholesale Druggists have vacancies for several smart Representatives in various parts of the country, and will be glad to negotiate with men having the necessary qualifications; experience essential; local residence an asset. Applicants should give full particulars of their experience, when disengaged, and remuneration required. Address, in confidence, "Progress," c/o Messrs. Brockie, Haslam & Co., 23 Fleet Street, E.C.4.

REPRESENTATIVES wanted, with *bona-fide* references introduce a side-line among Registered Chemists; attra series of Bath Salts, Corn Cure, Silk Straps, Foot Pow 12½ per cent. commission, plus 2½ per cent. for colle accounts; London, also provincial. Apply "Chemists," 59 I Street, Barnet, Herts.

SOAP MAKER.—Wanted, a thoroughly competent man understands the Manufacture of high-class Toilet So good progressive salary and splendid prospects to a really man. Apply "B. & C.," 65/158, Office of this Paper.

TRAVELLER wanted for Surgical Syringes and Needles, good connections among Surgical Wholesalers; sple prospects to the right man, and every encouragement gi salary and commission. "H. P. C." (P.C.B. 83/17), Offic this Paper.

TRAVELLERS, calling on Chemists, North Wales, S Wales, Yorkshire, Midlands; profitable side-line on com sion. Write, stating ground covered; only those with connect entertained. Apply P.C.B. 83/37, Office of this Paper.

WANTED, qualified Manager for a Wholesale Manufactu Chemists and Druggists in Midlands; preference give one prepared to invest capital. Apply to P.C.B. 83/15, Offic this Paper.

WANTED, by London firm, young man with working ex ence in Manufacture of Galenicals; some knowledg modern Pill and Tablet manufacturing an advantage. S full particulars, salary required, etc., in first letter. 99 Office of this Paper.

[COLONIAL, INDIAN AND FOREIGN.]

AFRICA.—Hospital Quartermaster required by the Gov ment of Tanganyika Territory for the Medical and S tation Department for a tour of 20-30 months' service, possible extension; salary £250-£15-£350, payable in territory in local currency, plus a temporary local allowanc 20% of salary up to the 30th June, 1925, when it will subject to review; an outfit allowance of £30, payable on appointment; quarters free of rent or allowance in lieu; passages and liberal leave on full salary; candidates, age 25 should be qualified as Dispensers, and have a knowledge of routine and clerical work in medical offices, and preferably retired non-commissioned officers of the R.A.M.C. Apply ence by letter, stating age, qualifications, and experience the Crown Agents for the Colonies, 4 Millbank, Westmin S.W.1, quoting M/13624.

INDIA.—Qualified Assistant wanted; unmarried; Rs. monthly, with annual increments; passages paid; 4 ye agreement. Apply "EH/S.," 65/157, Office of this Paper.

INDIA.—Representative required by important Manufactu and Wholesale Drug and Druggists' Sundries House to tr India and the East; sound pharmaceutical training essen qualified men preferred; must be young, alert and capable, selling experience (wholesale preferred); knowledge of terri useful, but not essential. Applicants should give full particu training received, Houses which they have previously represen reasons for leaving, and lines handled. 65/166, Office of Paper.

NEW YORK, U.S.A.—Large Firm, well introduced, s experienced man to produce Fruit Essences and Flavour all kinds; important position, with increasing participa income. Full particulars, c/o "F. G.," 65/171, Office of Paper.

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he "C. & D." Supplement has never yet failed to bring eplies to me—and I'm not "touching wood" this time. 99/2.

CAPABLE and fully-experienced Qualified Man; used to sole charge, as Locum or permanency. "Chemist," 10 Godwin , Forest Gate, E7.

CAPABLE Chemist-Optician, both degrees, accustomed to managing, 27, 6 feet, seeks fresh berth; is willing to allow salary to remain and accumulate in sound business. 26, Office of this Paper.

FIRST Assistant, now managing branch pharmacy, requires post where an energetic, hard worker is wanted; 10 years' ience in Pharmacy; unqualified. Hill, Dovedale, Station Rolleston, Staffordshire.

GENTLEMAN, 50, seeks post as Dispenser-Book-keeper; experienced Hospital and General practice; excellent testials. "G. J.," 28 Guilford Street, W.C.

QUALIFIED, energetic, London and provincial fully experienced and reliable Manager, Locum, Senior Assistant epresentative, now disengaged, with faultless references; perency preferred. Williams, Ty'nypystill, Garn Dolbenmaen, arvon.

SISTANT (unqualified) desires post; good experience, Counter, Dispensing and Photography; excellent references; 22; height 5 ft. 11 in. "Davey," East Street, Gt. Torring- Devon.

SISTANT or Branch Manager; unqualified; experienced in all branches; everything Photographic. "Aspirin," 22 tham Road, Blackpool, N.S.

SISTANT or Branch Manager; qualified; 43; married; Salesman, Photography; energetic; good references; lon preferred, not essential; disengaged. P.C.B. 83/28, e of this Paper.

SISTANT; unqualified; capable, experienced; temporary or permanent management of Drug Store, purchase enter- d; undeniable reference. P.C.B. 83/27, Office of this Paper.

SISTANT; 22; unqualified; capable, experienced, accurate Dispenser, Photographics, Window-dressing, etc. "H. L.," ectory Grove, Clapham, S.W.4.

SISTANT (21½), unqualified, requires situation in good- class Pharmacy in or near South-East London; 5½ years' rience, Counter, Photography, Dispensing, etc.; good refer- s; disengaged. "S. T. O.," Wouldham, Rochester.

SISTANT, sober, good references, town and country experi- ence, requires permanency; disengaged; unqualified. herstone, Holme Eden Vicarage, Wetheral, Carlisle.

SISTANT, qualified, experienced in Veterinary, Counter work, desires position with Agricultural Chemist in North try about September. 100/13, Office of this Paper.

EMIST and Ophthalmic Optician, 28, sat for the recent F.B.O.A. examination, trained in Optics at the B.O.A. al institute, town and country experience, now manager of lon pharmacy, requires post as Manager in July, with living modation if possible; own appliances for subjective and ctive testing. 101/27, Office of this Paper.

EMIST'S daughter desires post with Doctor as Secretary- Dispenser; available end June; Hall certificate; book- ing and shorthand; 6 years' experience; good references. 29, Office of this Paper.

MBERLAND, Westmorland, or near.—Unqualified; all-round experience; obliging, trustworthy; abstainer; good refer- s. "H.," 61 Castle Street, Kendal.

SENGAGED; Locum or permanency; Minor qualification; male; experienced. "Pharmacist," "The Limes," 69 orne Park Road, Hanwell, W.7.

SPENSER; thoroughly experienced General Surgery work, Book-keeping, and N.H.I.; Locum or permanent. "E. B.," Pyrland Road, Highbury.

EXPERIENCED Lady Dispenser, Hall certificate, desires post; capable and reliable; excellent references; London or Cardiff district preferred. 92 Monthermer Road, Cardiff.

IMPROVER, 21, good references, having served 3 years with Chemist, seeks situation, preferably Manchester or Lancaster district. Fred Fleetwood, 6 Burnaby Street, Barrow-in-Furness.

IMPROVER seeks post in the North or Midlands; good refer- ences; knowledge of Photography. H. H. Watts, 32 King Street, Stretford, Manchester.

JUNIOR, unqualified, 21, seeks situation in or near Hamp- shire or London preferred. Mackintosh, 124 Londesborough Road, Portsmouth.

JUNIOR, 19, 6 ft., 5 years' Dispensing, desires Retail experi- ence; references excellent. Guymer, 26 Eastbourne Street, Lincoln.

LADY Assistant; 7 years' experience, Counter, Window-dress- ing, Photographic; permanent, temporary. Davis, 2 Sheen Gate Mansions, East Sheen.

LADY Dispenser, experienced, desires post, Doctor or Chemist; Book-keeping, etc.; Locum or permanent. 31 Bessborough Street, Victoria, S.W.

LADY Dispenser (Hall), Book-keeper, seeks first post, Doctor or Institution. 101/29, Office of this Paper.

LADY (Hall Certificate), 3 years' experience, Hospital and Chemist, Locum or permanent, with view to further qualifi- cation; Doctor or Institution preferred. Apply 68 Park Street South, Wolverhampton.

LOCUM; unqualified; 25; splendid experience; free July 6 to 18 inclusive; anywhere; interview. Smith, 14 Shawfield Street, Chelsea.

LOCUM; qualified; elderly; Dispensing or Cover; town or country. West, 47 Vicarage Road, Leyton, London.

LOCUM or Emergency Assistant.—R. B. Fairweather (per- manent address), 46 Oxford Road, Kilburn, N.W.6, now booking dates through summer and winter months; competent to take entire charge; thoroughly experienced in all branches of the trade, including Photo., etc.; reliable and conscientious services; highest credentials; disengaged end of June; unqualified; mid-aged; keep address for future reference; per- manency entertained. 99/38, Office of this Paper.

LOCUM; experienced; take entire charge; abstainer; vacant June 22, July 4, July 27, August 8. "Chemicus," 387 Attercliffe Common, Sheffield.

LOCUM, 35; qualified; long experience; excellent references; vacant June 24-July 8. 24 Mead Plat, Willesden, N.W.

MANAGER; qualified; good experience and references; capable and energetic worker. "R.," 26 Upper Maryle- bone Street, W.1.

PHARMACIST, many years manager, desires change; reason, more scope for energy and ability required; wide Dispens- ing experience; expert Photographer and Window-dresser; inter- view London; free month's notice. "Reliable," 101/30, Office of this Paper.

QUALIFIED, elderly, requires light berth; excellent Pre- scriber; Locum or permanency. "Rhei," 66 Vancouver Road, Forest Hill, S.E.23.

QUALIFIED Chemist, 42, seeks engagement; fully experi- enced for responsible position; 25 years' first-class Retail and Wholesale; late Manager, Manufacturing Chemists; pre- viously Buyer and Departmental Manager leading Wholesale House. Apply 101/34, Office of this Paper.

QUALIFIED capable young man, Manager or Assistant, desires permanency; excellent references; state terms. "Ry. D.," 11 Oxford Street, Gloucester.

SOUTHEND DISTRICT.—Unqualified; 30; tall; experienced; part or whole time; good all round, Counter, Photo., Dis- pensing, Window-dressing. 99/40, Office of this Paper.

UNQUALIFIED Assistant (middle-aged); willing and courteous; moderate wage; London only. "J.," 3 Holly- dale Road, S.E.15.

UNQUALIFIED Senior or Locum; competent, energetic, middle-aged man; manage Drug Store on salary and com- mission basis; disengaged; dates booked. "Advertiser," 20 Gordon Grove, Camberwell.

YOUNG lady, 24, requires situation as Counter-hand; season or permanent; 6 years' experience; late of Boots, Chemists. Miss "H.," 28 Albert Bridge Road, S.W.11.

YOUNG lady Assistant desires change; Counter and Photo- graphic experience; suburbs preferred. 100/31, Office of this Paper.

WHOLESALE.

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may if preferred have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

A MANUFACTURER who is desirous of obtaining the services of a Sales Manager who can economically increase sales, extend overseas trade, conduct advertising campaigns, and is an ideas man with proved "grit," please write to 92/28, Office of this Paper.

ADVERTISER, who has a large connection amongst Chemists, Perfumers, Stores, both retail and wholesale, desires the representation of a first-class House; experienced in Packed Goods, Toilets, Perfumery and Soaps. 92/800, Office of this Paper.

ADVERTISER requires position as Representative for house of standing and repute; Drugs, Sundries or Proprietaries. "S. T. O.," Wouldham, Rochester.

ADVERTISER, covering the Midlands by motor car with a Proprietary, seeks additional representation on part expenses and commission; Toilets, Soaps, Perfumery or Packed Goods. 92/200, Office of this Paper.

AS Sales or Warehouse Manager or Assistant Manager; Scot; well trained, experienced, and up to date; highest credentials; or as London Representative, Shippers, Stores. "Chemist," 100/32, Office of this Paper.

DENTAL-SURGEON, age 51, L.D.S., R.C.S.E., also Major Pharmac. Diploma, desires change from dental practice, seeks post as Representative of good firm dealing with Medical or Dental Specialities. 99/16, Office of this Paper.

EXPERIENCED Traveller, with some connection among Chemists in Beds., Herts, Hunts., Northants and Cambs., open to consider good side lines on commission basis. "H. P.," 18 Grove Place, Bedford.

GENTLEMAN, well known in Yorkshire, Durham and Northumberland, calling on Chemists and Hairdressers, is open to carry additional lines. 98/13, Office of this Paper.

IRELAND.—Live Wire Salesman, 33 years of age, 12 years calling on Chemists and Perfumers, presently acting as Senior Traveller for first-class London firm, wishes negotiations with Manufacturers on salary, commission and expenses basis; can arrange interview in London end of June. 99/4, Office of this Paper.

LIVERPOOL.—Traveller, energetic Salesman, seeks post with Manufacturing House, Drugs, Sundries or Specialities; highest references and keen worker; Retail and Wholesale experience. 101/14, Office of this Paper.

REPRESENTATIVE, good appearance and address, Retail, and Travelling experience, connection Lancashire, open engagement; references. "Chemicus," 101 Carter Street, Manchester.

REPRESENTATIVE, with sound connection with Chemists in Lancashire, desires to represent first-class house in Toilets or Proprietary lines; excellent references. "H. S.," 4 Almond Grove, Old Trafford, Manchester.

REPRESENTATIVE, wishing for wider scope, is open to represent first-class Firm; many years' travelling experience, Drugs, Chemicals and Medical Specialities, including Foods, Organotherapy, Instruments, etc. Reply c/o P.C.B. 83/36, Office of this Paper.

RESPONSIBLE post; 37; 18 years' experience all branches, Perfumery Blending, Designing, Despatch, Advertising, Drugs, Correspondence, Sundry Buying and Sales, etc.; moderate salary; educated; gentlemanly. "Progress," "Riversmere," Wraysbury Road, near Staines.

WORKS Manager or Chemist; Toilet Preps., Perfumes, Pharmaceutical and Dental Products, Toilet Soaps; open for re-engagement; life experience English and American. P.C.B. 83/31, Office of this Paper.

YOUNG man, 27, gentlemanly appearance, keen, energetic, requires change, town or country; 4½ years with leading firm of Drug and Chemical Manufacturers as Foreman in Chemical Department; slight Retail experience; sound knowledge Photography; experienced in serving at Counter; would consider position as Representative. 90/38, Office of this Paper.

YOUNG, energetic and successful Representative, excellent connection Chemists, Hairdressers, Grocers, General Stores, South-West of England, desires change; offer solicited from reputable firm; first-class education and references. 99/10, Office of this Paper.

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[COLONIAL, INDIAN AND FOREIGN.]

LADY, Colonial, London qualification and experience, desir post in up-to-date Retail Pharmacy in Australia or Ne Zealand; age 25; apprenticed South Africa; thorough experienc reliable, good worker, willing. Write 98/21, Office of this Pap

MISCELLANEOUS.

CHEMIST'S Fittings (second-hand), also new.—Ranges Drug Drawers, Dispensing Screens, Glass-fronted Counte Wallcases, Centre Cases, and All Glass Counters; Counter Ca Tills from 25s. The "Kwik-Sale" Case, made specially f Chemists' Counters, with slope front and mirror sliding doo at back, 3 ft. long, price £5 10s. D. MATTHEWS & SO Chemist Fitters, 14 and 16 Manchester Street, Liverpool.

MAHOGANY Wall Case, 10 ft. long, 8 ft. 9 in. hig Mahogany Wall Case, 6 ft. long, 7 ft. 6 in. high, 1 deep; Silent Salesman, 6 ft. high, 2 ft. x 23; 1 ditto, 5 ft. hig Serving Counter, glass case front, 10 ft. long; Perfume Ca and Desk; shop soiled. GEORGE COOK, Chemists' Fitter, 2 City Road, London, E.C.1.

SECOND-HAND CHEMISTS' FITTINGS.—We have an exce tionally fine selection of these in all sizes; prices are rigl and goods are in first-class condition; we shall be pleased supply particulars and prices. Call or write, RUDDUCK & C 262 Old Street, London, E.C.2.

£144. SET of complete mahogany Shop Fittings, 7 ft. han some Dispensing Screen, 7 ft Wall Case, 12 Counter with cases in front, plate-glass Counter Case, two nes of Counter Drawers, 12 ft. Drng Fitting, Perfume Case a Desk, all-glass Counter; can easily be adapted. PHIL JOSEPHS & SONS, LTD., 93 Old Street, London, E.C.1.

FOR Sale (for the purpose of closing a Trust), 40 5 per ce Cumulative Preference Shares of £5 each, fully paid, T. & H. Smith, Ltd., Manufacturing Chemists, Edinburg Apply Allan & Black, Solicitors, Elgin.

LIMITED Companies formed not only for Chemists and Opticians, but for any trade. Established 1905. Books, seal, etc., are included in quotation. Advice free. A. B. SLACK, 15 Christ Church Avenue, West Didsbury, Manchester.

TRAVELLING Showroom for Sale; Oldsmobile 20-h.p., 1-t lorry chassis, with special body equipped with 34 sq. counter space, 12 cupboards, and 31 drawers; internal measu ments: Length 11 ft. 9 in.; width 5 ft. 6 in., height 6 ft. 3½ i wired throughout for lighting; pneumatic tyres, perfect co dition, and in running order. Apply 65/160, Office of this Pap

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WANTED.

PHARMACEUTICAL Books wanted; send priced list. Gow Bookseller, 41 Voltaire Road, Clapham.

WANTED, Still, suitable for use with gas. State make a price and capacity. Reply 100/38, Office of this Paper.

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